FINANCE (PLANNING AND DEVELOPMENT) DEPARTMENT

THIRD FIVE-YEAR PLAN

MADRAS STATE

REVIEW OF PROGRESS FOR 1961-62 AND 1962-63
AND
PROGRAMME FOR 1963-64

©
GOVERNMENT OF MADRAS
1963

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GOVERNMENT OF MADRAS

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PROGRAMME FOR 1963–64 AT A GLANCE.

Head of development.	*Third Plan Provision.*	*Actuals for* 1961–62.	*Revised Estimate for* 1962–63.	*Budget Estimate for* 1963–64.	*Total for three years, i.e., columns* (3) *to* (5).
(1)	(2)	(3)	(4)	(5)	(6)
			(RUPEES IN CRORES.)		
I. AGRICULTURAL PROGRAMME—					
1 Agricultural Production ..	10·67	1·25	1·77	1·80	4·82
2 Minor Irrigation	12·80	2·98	3.40	3·65	10·03
3 Soil Conservation	2·50	0·48	0·55	0·54	1·57
4 Animal Husbandry	3·52	0·36	0·54	0·56	1·46
5 Dairying and Milk Supply ..	2·75	0·79	0·87	1·02	2·68
6 Forests	2·12	0·29	0·50	0·54	1·33
7 Fisheries	2·22	0·24	0·57	0·59	1·40
8 Marketing and Warehousing ..	0·40	0·02	0·06	0·04	0·12
Total I.	36·98	6·41	8·26	8·74	23·41
II. CO-OPERATION AND COMMUNITY DEVELOPMENT—					
1 Co-operation	4·71	1·21	1·10	0·91	3.22
2 Community Development ..	20·36	4·17	4·88	4·20	13·25
3 Panchayats	0·11	..	..	..	..
Total II.	25·18	5·38	5·98	5·11	16·47
III. IRRIGATION AND POWER—					
1 Irrigation	27·42	4·64	4·80	4·97	14·41
2 Power	100·19	18·20	19·34	20·75	58·29
Total III.	127·61	22·84	24·14	25·72	72·70
IV. INDUSTRY AND MINING—					
1 Large and Medium Industries	3·35	0·09	0·17	0·04	0·30
2 Village and Small Industries	20·16	2·71	4·21	3·91	10·83
Total IV.	23·51	2·80	4·38	3·95	11·13
V. TRANSPORT AND COMMUNICATION—					
1 Roads	11·00	2·20	2·35	2·34	6·89
2 Tourism	0·25	..	0·03	..	0·03
Total V.	11·25	2·20	2·38	2·34	6·92

Head of development.	*Third Plan Provision.*	*Actuals for* 1961–62.	*Revised Estimate for* 1962–63.	*Budget Estimate for* 1963–64.	*Total for three years, i.e., columns* (3) *to* (5).
(1)	(2)	(3)	(4)	(5)	(6)
			(RUPEES IN CRORES.)		
VI. SOCIAL SERVICES—					
1 General Education Including Cultural Activities.	25·64	2·61	4·54	5·41	12·56
2 Technical Education ..	6·52	0·73	1·17	1·29	3·19
3 Health	21·50	5·01	5·01	5·06	15·08
4 Housing	7·00	1·14	1·32	0·92	3·38
5 Welfare of Backward Classes	3·26	0·75	0·80	0·74	2·29
6 Social Welfare	0·52	..	0·06	0·05	0·11
7 Labour and Labour Welfare ..	1·33	0·09	0·20	0·41	0·70
Total VI. ..	65·77	10·33	13·10	13·88	37·31
VII. MISCELLANEOUS—					
1 Statistics	0·24	..	0·02	0·03	0·05
2 Information and Publicity ..	0·35	0·04	0·06	0·04	0·14
3 General Re-survey of the Madras State. ..	..	..	..	0·02	0·02
Total VII. ..	0·59	0·04	0·08	0·09	0·21
GRAND TOTAL ..	290·89	50·00	58·32	59·83	168·15

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EXPLANATORY NOTE.

This publication seeks to describe in detail the various schemes included in the State's Third Five-Year Plan. Under each head of development, every scheme is explained by giving such details as the total provision provided in the Plan, the amount spent in 1961-62, the anticipated expenditure for 1962-63 and the outlay budgeted for 1963-64. The object of each scheme and the progress achieved and targeted are also given.

Agricultural production (including Land Development.)	
	(RS. IN LAKHS.)
Third Plan Provision	1,066·50
Actuals for 1961–62	124·94
Revised Estimates for 1962–63	176·57
Budget Estimates for 1963–64	179·58
Total for three years ...	481·09

I. AGRICULTURAL PRODUCTION (INCLUDING LAND DEVELOPMENT)

Production of foodgrains.—The Third Five-Year Plan provides for increasing the food production potential by 16·50 lakhs tonnes over and above the level of production of 53·00 lakhs tonnes attained by the end of the Second Five-Year Plan period. It is estimated that an additional production potential to the extent of 2·27 lakhs tonnes has been created during 1961-62. The programmes for 1962–63 and 1963–64 aim at creating additional production potentials to the extent of 2·75 lakhs tonnes and 4·39 lakhs tonnes respectively over and above the level of achievement in the previous years.

Commercial crops.—The development of commercial crops has also been receiving special attention. The production levels for important commercial crops in the State and the target proposed for 1963–64 are indicated below :—

	Cotton lakhs bales.	Sugarcane lakhs tons of cane.	Oilseed lakhs tons.
(1)	(2)	(3)	(4)
Base level of production at the beginning of the First Plan.	2·26	29·76	7·86
Additional production during the First Plan period.	0·86	0·24	0·80
Production at the beginning of Second Plan.	3·12	30·00	8·66
Additional production during the Second Plan period.	1·07	10·00	1·66
Total estimated production at the end of Second Plan.	4·19	40.00	10·32
Targeted additional production during the Third Plan.	1.01	10.00	3.08
Total anticipated production at the end of the Third Plan.	5·20	50·00	13.40
Level of production achieved during 1961–62.	4·56	42·87	11·02
Do. anticipated during 1962–63	4·60	44·08	11·48
Do. programmed for 1963–64	4·89	46·15	12·13

The increase in production of foodgrains and other commodities is attempted to be secured by adopting both extensive and intensive methods of cultivation. The improved techniques evolved at the various Research Centres in this State are being fully utilized. Wider use of nitrogenous and phosphatic fertilizers in optimum doses, application of green manures, green leaf manures and compost, and adoption of improved agronomic practices, etc., are being extensively popularised among the farmers. Further, schemes like (i) sinking of artesian, sub-artesian and filter-point tube-wells, (ii) providing proper lift irrigation facilities by supplying pumping machinery under hire-purchase system, (iii) distribution of improved agricultural implements, (iv) execution of major and minor irrigation programmes, (v) soil conservation measures, dry farming practices, etc., are being undertaken in all prospective areas for achieving increased agricultural production.

The average acre yield has been assessed in respect of the important crops as detailed below :—

	All India average yield per acre in lb.		Madras State average yield per acre in lb.	
	1960–61.	1961–62	1960–61.	1961–62.
Rice	905	900	1,345	1,351
Cholam	363	399	638	694
Ragi (cumbu)	209	290	513	565
Groundnut	690	662	1,042	1,083

These figures indicate an increase in average production per acre in 1961–62 and with the existing tempo, the additional production anticipated can be hoped to be achieved in full.

One important change introduced in the first year of the Third Plan, viz., 1961–62, is the entrustment of Agricultural programmes relating to local manures, seed distribution, Plant protection, distribution of implements, etc., to the Panchayat Unions with effect from October 1961 in order to enlist local leadership and knowledge in the agricultural development of the country. Each panchayat union has been given Rs. 2 lakhs for the Plan period for the implementation of the above programme of which Rs. 1 lakh is treated as matching grant and the other Rs. 1 lakh as non-matching grant. The distribution of improved iron ploughs of Melur and Mould Board types was also entrusted to the panchayat unions. During the current year, the distribution of green manure seeds to the ryots has also been entrusted to the Panchayat Unions in order to ensure the distribution of seeds preferred by the ryots of the local area.

1. State Seed Farms.

	(Rs. in lakhs.)
Third Plan Provision	100·00
Actuals for 1961–62	11·67
Revised Estimate for 1962–63	21·72
Budget Estimate for 1963–64	19·03
Total for three years ...	52·42

The object of the scheme is to establish 210 State Seed Farms in this State for the production of foundation (Primary) seeds of 2,500 tonnes of paddy and 400 tonnes of millets for supplying to the Gramasahayaks for multiplication and distribution as secondary seeds to cover one-third area of the total area under foodgrains so that the improved seeds for foodcrops can be renewed once in three years. During the Second Plan period, 134 seed farms were established. The remaining 76 farms are to be established during the Third Plan period.

During 1961–62, 23 new farms were opened; at the same time it became necessary to close down 21 farms due to uneconomic working and the insistance of the land owners for derequisitioning the land. The number of farm functioning in the State at the end of 1961–62 was therefore 136 farms only. This was made up of 53 farms in Government lands, 43 in requisitioned lands and 40 in acquired lands. During 1962–63 40 more new farms will be opened. Further steps are being taken during the current year to acquire the land in the case of 19 existing farms which are being run on leased or requisitioned land. During 1963–64 it is proposed to open 34 new farms and acquire 20 farms which are already functioning on leased or requisitioned lands. In addition it is also proposed to construct seed stores in the farms which have been permanently added to the Agriculture department. Provision has also been made for the purchase of 6 wheel type tractors at a cost of Rs. 1·24 lakhs in 1963–64 for use at the seed farms.

2. Green Manure.

	(Rs. in lakhs.)
Third Plan Provision	25·00
Actuals for 1961–62	3·44
Revised Estimate for 1962–63	2·32
Budget Estimate for 1963–64	3·90
Total for three years ...	9·66

By the end of the Second Plan period, an area of 30 lakhs acres has been covered with green manure During the Third Plan period, it is proposed to cover the remaining 30 lakhs acres of the paddy area in the State. During 1961–62, a quantity of 2,039 tonnes of green manure seeds has been distributed to cover an area of 3·06 lakhs acres. In addition, seeds have been distributed by the private agencies and trade channel to cover an area of 3·69 lakhs acres, and green leaf manure was used by the ryots to cover an area of 4·20 lakhs acres. It is proposed to distribute 2,750 tonnes of green manure seeds during 1962–63 and 3,000 tonnes of seeds during 1963–64. The seeds are being distributed at 85 per cent of their cost, the subsidy being met in full by the Government.

3. Supply Schemes.

(i) *Development of local manurial resources.*

	(Rs. in lakhs.)
Third Plan Provision	35·00
Actuals for 1961–62	4·84
Revised Estimate for 1962–63	6·77
Budget Estimate for 1963–64	6·84
Total for three years ...	18·45

This scheme is intended to utilise all the available rural wastes and convert them into good quality compost manure to enrich soil fertility and to help the agriculturists to produce good quality compost by adopting scientific methods. The scheme was implemented in 162 blocks by the end of the Second Plan. It was extended to 202 blocks by 1961–62. The coverage is being extended to 253 blocks during the current year. During 1963–64 it is proposed to extend the programme to 63 more blocks. Each Panchayat Union is provided with one Compost Development Inspector specially trained for this purpose. In addition, 100 leading farmers in each of the selected Panchayat Unions are also given training as and when the scheme is extended to that Union.

The production of compost by individuals or institutions is encouraged by sanctioning a subsidy of Rs. 6 per standard pit. The individual panchayats are also encouraged to promote composting and maintaining the community compost yard by sanctioning them a recurring subsidy of Rs. 4 per standard pit per annum.

A quantity of 15·69 lakh tonnes of rural compost was produced by the end of the Second Plan period. During 1961–62, the production was raised to the level of 28·43 lakh tonnes. This will be further stepped up to the level of 31·00 lakh tonnes in 1962–63 and 36·00 lakh tonnes in 1963–64.

(ii) *Urban compost.*

	(Rs. in lakhs.)
Third Plan Provision	50·00
Actuals for 1961–62	6·38
Revised Estimate for 1962–63	11·97
Budget Estimate for 1963–64	13·92
Total for three years ...	32·27

The object of the scheme is to convert the nightsoil and other waste materials in urban areas to prepare compost of good quality on scientific basis with the assistance of municipalities and notified panchayats. The scheme is being worked in 65 municipalities and 393 notified panchayats in addition to the Corporation of Madras and the Township Committees at Mettur, Kodaikanal, Bhavanisagar and Courtallam. These local bodies are provided with loan assistance and subsidy to meet any loss arising out of the sale of compost at Rs. 2 per ton. During 1961–62 a quantity of 4·23 lakh tonnes of compost was produced. This production is expected to be raised to the level of 4·80 lakh tonnes, by the end of 1962–63 and 5·20 lakh tonnes by the end of 1963–64.

(iii) *Nightsoil compost.*

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	5·66
Revised Estimate for 1962–63	4·24
Budget Estimate for 1963–64	3·89
Total for three years ...	13·79

The scheme provides for conversion of nightsoil into valuable compost in a scientific manner. It is being implemented in bigger panchayats having a population of 1,500 to 4,000 and also in selected village panchayats, where the population is below 1,000. The bigger panchayats which have conservancy arrangements are given a loan assistance of Rs. 2,000 and those without conservancy arrangements, are provided with loan assistance of Rs. 3,000 towards purchase of site, cart, implements, maintenance of conservancy arrangements, etc. The advances are recoverable in 20 annual instalments. They are also eligible for a subsidy of 25 per cent of the net recurring cost, subject to a maximum of Rs. 150 in each case.

The pilot scheme for the production of nightsoil compost in selected villages having less than 1,000 population is being implemented by sanctioning a non-recurring grant of Rs. 3,500 and a recurring grant of Rs. 375. This scheme was started towards the end of 1961–62.

The quantity of compost thus produced during 1961–62 was 0·33 lakh tonnes. The production will be stepped up to 0·76 lakh tonnes in 1962–63 and 1·19 lakh tonnes by the end of 1963–64.

(iv) *Distribution of improved seeds.*

	(RS. IN LAKHS.)
Third Plan Provision	70·00
Actuals for 1961–62	7·28
Revised Estimate for 1962–63	10·41
Budget Estimate for 1963–64	18·03
Total ...	35·72

The production and distribution of primary seeds are the responsibility of the Agricultural Department. It has already been programmed to open 210 State Seed Farms for producing 2,500 tonnes of paddy primary seeds and 400 tonnes of millet primary seeds. These seeds are intended for distribution to Gramasahayaks who are functioning as registered growers for producing secondary seeds. All the panchayat unions have already nominated the required number of Gramasahayaks for producing secondary seeds. The Gramasahayaks are being paid a subsidy of Rs. 2 per maund for the seeds produced by them and distributed to the growers.

During the Third Five-Year Plan period, it is proposed to distribute improved seeds for the renewal of seeds in one-third of the area already covered with improved strain

and also to bring in additional area under improved strains. During 1961–62, a quantity of 33,021 tonnes of paddy seeds and 4,866 tonnes of millet seeds has been distributed. It is anticipated that 40,000 tonnes of paddy seeds and 6,400 tonnes of millets will be distributed in 1962–63. During 1963–64 the tempo of distribution will be maintained at the same level as in the current year.

(v) *Distribution of chemical manures.*

The scheme is being implemented in this State as a State Trading Scheme on a no-profit and no-loss basis. The supplies received from the Central Fertilizer Pool are distributed to the ryots through the Co-operatives. The actual consumption of fertilizers during 1961–62 was 1·65 lakh tonnes in terms of ammonium sulphate. During the current year, distribution to ryots will be of the order of 2·03 lakhs tonnes, representing an increase of 23 per cent over last year's level. It is now anticipated that 4·03 lakh tonnes of fertilizers in terms of ammonium sulphate will be made available to ryots in 1963–64, the target for annual consumption at the end of the Third Plan period being 5·83 lakh tonnes.

(vi) *Japanese method of paddy cultivation.*

The object of the scheme is to adopt extensively the Japanese method of paddy cultivation for increasing the yield of paddy, with necessary modifications to suit the local conditions. Among other things, this scheme includes the application of green manure and nitrogenous and phosphatic fertilizers at prescribed dosage. Cultivators are also encouraged to use paddy weeders. Large number of demonstration farms are also being run in various areas to enable the ryots to know at first hand the benefit of adopting the Japanese cultivation.

It is proposed to cover a total area of 45 lakh acres under the Japanese method of paddy cultivation by the end of the Third Plan period. During 1961–62, an area of 18·17 lakhs acres has been covered. It is proposed to raise the coverage to the level of 28 lakh acres during 1962–63 and 35 lakh acres during 1963–64. No financial commitment is involved in this scheme.

(vii) *Plant protection.*

	(RS. IN LAKHS.)
Third Plan Provision	100·00
Actuals for 1961–62	21·49
Revised Estimate for 1962–63	14·27
Budget Estimate for 1963–64	16·32
Total for three years ...	52·08

The following three schemes are being implemented :—

(*a*) Control of pests and diseases through supply of chemicals at concessional rates;

(*b*) Supply of sprayers and dusters; and

(*c*) Establishment of a Pesticides Testing Laboratory.

(*a*) *Control of pests and diseases.*—Insecticides and fungicides are being distributed at 75 per cent of the cost for food crops and at 50 per cent of the cost for non-food crops like oilseeds, coconut, etc.; the Government have since extended the concessional sale of pesticides to cotton crop also at 50 per cent of the cost price.

An area of 7·50 lakh acres of food crops was covered under plant protection measures by the end of Second Plan period. It is proposed to cover a total area of 22·50 lakh acres of food crops by the end of the Third Plan by raising the coverage by 3 lakh acres every

year. During 1961–62, an area of 10·41 lakh acres of food crops has actually been treated against pests and diseases and it is proposed to cover 13·50 lakh acres during 1962–63 and 16·50 lakh acres by the end of 1963–64.

(b) *Supply of sprayers and dusters.*—These are being distributed at 50 per cent of the lowest cost tendered for the year. The distribution has been entrusted to the panchayat unions with effect from 1st October 1961. During 1961–62, 3,824 sprayers and 430 dusters were supplied to ryots. Three thousand two hundred and two sprayers and 1,279 dusters will be distributed in 1962–63. The programme for 1963–64 provides for the distribution of 3,000 sprayers and 1,200 dusters. No financial provision has been made separately for this scheme as the subsidy is being met from the grant payable to panchayat unions for other implements subject to maximum of Rs. 7,500.

(c) *Pesticides testing laboratory.*—A scheme for testing and certifying the insecticides and fungicides offered for sale to the public and the Government by commercial firms and also for laying down standards for such products has been sanctioned recently and the laboratory has also been established during the current year.

(viii) *Improved agricultural implements.*

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	0·51
Revised Estimate for 1962–63	7·34
Budget Estimate for 1963–64	7·34
Total for three years ...	15·19

A pilot scheme for the distribution of improved ploughs of Melur and Mould Board types was started during 1961–62. Melur ploughs and shares are being distributed with a subsidy of 25 per cent of their cost, while the Mould Board ploughs are being sold with a subsidy of 33-1/3 per cent subject to maximum of Rs. 7 per plough. During 1961–62, 23,000 ploughs were distributed. It is propoed to distribute 1·40 lakh ploughs during 1962–63 and 1·85 lakh ploughs during 1963–64.

In addition to the distribution of ploughs, multi-purpose Universal Otto frames are being distributed under a hire-purchase scheme to enable the ryots to attend to the argicultural operations with much ease. During 1961–62, 19 Otto frames were distributed. It is proposed to distribute 32 numbers in 1962–63 and 50 numbers during 1963–64.

(ix) *Vegetable production.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	1·77
Budget Estimate for 1963–64	3·96
Total for three years ...	5·73

In the present context of National emergency and to arrest the rising tendency in the price of vegetables a new scheme for increasing the production of vegetables in the areas surrounding the City of Madras, Tiruchirappalli, Coimbatore, Tirunelveli and Madurai within a radius of 30 miles has been sanctioned for implementation in 1962–63. This scheme provides for sale of pesticides, vegetable seeds and seedling at 50 per cent of their cost. In addition, the growers will be given a loan of Rs. 120 per acre, per vegetable crop season.

4. COMMERCIAL CROPS.

(i) *Cotton.*

	(RS. IN LAKHS.)
Third Plan Provision	25·00
Actuals for 1961–62	2·00
Revised Estimate for 1962–63	4·27
Budget Estimate for 1963–64	4·43
Total for three years ...	10·70

The scheme aims at stepping up production of cotton in Madras State by one lakh bales during the Third Plan period. An integrated cotton development scheme for the extension of cotton cultivation and seed multiplication is being implemented from 1962–63. During 1961–62 a quantity of 37,271 bales of cotton have been produced and it is proposed to step up production to 40,000 bales in 1962–63 and 60,000 bales in 1963–64. A package programme for development of cotton in 30,000 acres in Coimbatore district and another 30,000 acres in Ramanathapuram district will be implemented in 1963–64.

(ii) *Sugar-cane development.*

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	3·56
Revised Estimate for 1962–63	3·88
Budget Estimate for 1963–64	5·66
Total for three years ...	13·10

This scheme is intended to increase the acre yield of sugarcane and also the sugar content of cane by introducing improved, varietal, cultural and manurial practices and by giving technical advice to the growers for adopting improved techniques recommended by the Agricultural Department. In addition, to facilitate easy and quick transport of sugar-cane to the factories, the programme for improving roads leading to sugar factories is being continued. During 1961–62, an additional production of 2·87 lakh tonnes of cane has been achieved. It is proposed to raise the additional production to 4·08 lakh tonnes in 1962–63 and 6·15 lakh tonnes in 1963–64.

Road works have been completed to an extent of 8½ miles during 1961–62 and it will be continued to cover 11 more miles during 1962–63.

(iii) *Oil seeds.*

	(RS. IN LAKHS.)
Third Plan Provision	30·00
Actuals for 1961–62	5·89
Revised Estimate 1962–63	2·97
Budget Estimate for 1963–64	5·90
Total for three years ...	14·76

The integrated oil seeds development scheme is being implemented from 1961–62 to secure an overall additional production of 3·08 lakh tonnes of oilseeds by the end of the Third Five-Year Plan. This scheme provides for—

(1) Intensive cultivation and organising demonstrations.

(2) Running of eight zonal nucleus farms for multiplication and supply of nucleus seeds and

(3) Organising plant protection squads for control of pests and diseases.

In addition, a new scheme for stepping up production of gingelly has also been sanctioned during 1962–63. During 1961–62, a quantity of 69,665 tonnes of oilseeds has been produced. The additional production will be further stepped up to the level of 1·16 lakh tonnes in 1962–63 and 1·74 lakh tonnes in 1963–64.

The package programme for groundnut is being implemented in South Arcot district in one centre outside the plan. It is however, proposed to introduce the package programme in two more centres during 1963–64 within the plan.

An emergency programme for stepping up the production of oil seeds by distributing seeds at subsidised rates and more quantity of fertilizers and pesticides and by organising free fertilizer demonstration, has been drawn up. This will ensure an additional production of 7,000 tonnes during 1963–64 above the level of production anticipated under the normal plan programme.

(iv) *Cashew cultivation in other than forest areas.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	1·70
Revised Estimate for 1962–63	1·82
Budget Estimate for 1963–64	1·63
Total for three years ...	5·15

The Third Plan provides for bringing in a new area of 10,000 acres under cashew cultivation. The main object is to establish nurseries and distribute good quality planting materials and provide free technical guidance to growers. Long term loan assistance at Rs. 80 per acre for fencing the lands, preparatory cultivation and for meeting the cost of seeds and other incidental expenses is being given. During 1961–62, an area of 3,397 acres has been brought under cashew cultivation. An area of 2,000 acres per year will be covered in 1962–63 and 1963–64.

(v) *Cashew Plantation in forest areas.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals in 1961–62	1·32
Revised Estimate for 1962–63	2·43
Budget Estimate for 1963–64	2·55
Total for three years ...	6·30

The scheme envisages raising of cashew over 10,000 acres in the otherwise poor derelict scrub forest areas of ex-zamin, ex-panchayat and other reserve forests in the State. During 1961–62, 3,204 acres were raised at a cost of Rs. 1·32 lakhs and in 1962–63 another 2,600 acres will be covered at a cost of Rs. 2·43 lakhs. In 1963–64, it has been proposed to plant 2,566 acres with cashew.

(vi) *Coconut.*

	(RS. IN LAKHS.)
Third Plan Provision	35·00
Actuals for 1961–62	4·25
Revised Estimate for 1962–63	8·43
Budget Etimate for 1963–64	12·24
Total for three years ...	24·92

Some of the salient features of the Coconut Development Scheme now being implemented are :—

(1) Establishment of comprehensive coconut nursery.

(2) Scheme for organising demonstration farms in swamp areas.

(3) Scheme for the extension of coconut cultivation to the coastal area of Ramanathapuram district.

(4) Scheme for organising mother palm competition.

(5) Scheme for running parasite breeding station.

(6) Scheme for increasing the production of coconut by extensive and intensive cultivation methods.

(7) Scheme for plant protection measures of coconut crops.

During 1961-62, 2.1[illegible] lakhs seedlings were produced in the departmental nurseries and distributed to ryots. It is proposed to distribute 2·25 lakhs seedlings during 1962–63 and 2·48 lakhs seedlings during 1963–64. The Parasite breeding centres at Nagercoil, Gudiyatham, Coimbatore, Thanjavur and Udangudi have released parasites to benefit 2·55 lakhs trees during 1961–62. During 1962–63 and 1963–64 parasites will be released for the benefit of an equal number of trees.

The special scheme for the Ramanathapuram district was originally started to cover an area of 9,000 acres in Ramanathapuram and Tiruvadanai taluks only. The scheme has since been extended to the coastal taluks of Paramakudi and Muthukalathur. During 1961-62, 91 families have been settled and an area of 455 acres has been allotted for raising coconut plantation. During 1962–63 and 1963–64, 100 families are expected to be settled in each year by allotting 5 acres to a family. It is also expected that the pattadars in these areas will raise coconut plantation in 1,400 acres during 1962–63 and 1,500 acres in 1963–64.

Package programme for intensive work on improvement of coconut in Madras.

The scheme envisages intensive development in large blocks of coconut growing areas on the lines of the package programme now being implemented at Adiramapatnam and a few of its adjacent villages. Work will be concentrated on the popularisation of improved practices in regard to cultivation and manuring, irrigation, controlling of pests and diseases, etc., by approaching each and every individual grower. The scheme will be worked for a period of three years commencing from the 1st April 1963. The scheme also provides for extending financial help to the small growers.

(vii) Horticulture.

	(RS. IN LAKHS.)
Third Plan Provision	25·00
Actuals for 1961–62	4·53
Revised Estimate for 1962–63	6·81
Budget Estimate for 1963–64	4·56
Total for three years ...	15.90

Under the scheme, provision has been made for (1) Fruit development, (2) Establishment of model orchard and nurseries and (3) Establishment of vegetable seed production centres.

The Third Plan programmes aim at rejuvenating existing orchards in an area of 15,000 acres. The scheme also provides for increasing the area under orchards by 5,000 acres. During 1961–62, an area of 829 acres of new orchards has been established and it is proposed to establish new orchards in 915 acres during 1962–63 and 600 acres during 1963–64. An area of 211 acres was rejuvenated during 1961–62, and it is proposed to cover 2,500 acres in 1962–63 and 1,000 acres in 1963–64.

There were 6 model orchard centres at Thimmapuram, Periyakulam, Coonoor, Courtallam, Kodaikanal and Attur by the end of the Second Plan period. Four more centres will be established in Thanjavur—Tiruchirappalli area and Kanyakumari, Ramanathapuram and North Arcot districts during 1963–64. A scheme for the production of good quality vegetable seeds of improved varieties and for supplying them to ryots through the extension staff is being operated in three centres attached to the model orchards at Thimmapuram, Periyakulam and Kodaikanal.

(viii) Lac development.

	(RS. IN LAKHS.)
Third Plan Provision ...	3·00
Actuals for 1961–62 ...	0·34
Revised Estimate for 1962–63 ...	0·64
Budget Estimate for 1963–64 ...	0·64
Total for three years ...	1·62

The object of the scheme is to step up production of lac in all the existing 15 centres. It is proposed to raise Lac host trees in suitable areas in the State over 500 acres. During 1961–62, 20,500 kgm of lac were produced and lac host trees were planted over 103 acres and in 1962–63, 120 acres will be planted with lac host trees. In 1963–64, lac will be produced in all the 15 centres in Thanjavur, Nilgiris, Coimbatore South, Madurai South, Tirunelveli South and Ramanathapuram divisions besides the other operations like raising 120 acres with lac host trees and improvement of the lac factory at Cumbum.

(ix) Arecanut.

	(RS. IN LAKHS.)
Third Plan Provision ...	4·00
Actuals for 1961–62 ...	0·05
Revised Estimate for 1962–63 ...	0·49
Budget Estimate for 1963–64 ...	0·63
Total for three years ...	1·17

There are at present two departmental nurseries at Shencottai and Kallar and Burliar for producting arecanut seedlings. It is proposed to open four more centres in Kanyakumari, Madurai, Thanjavur and Salem districts. During 1961–62, 55,000 seedlings were distributed. It is proposed to distribute 1·25 lakhs seedlings in each of the years, 1962–63 and 1963–64. Plant protection measures on arecanut crops are being encouraged by distributing chemicals at 75 per cent of the cost and distributing high-powered sprayers at 50 per cent of the cost. It is proposed to distribute 20 sprayers in 1962–63 and 30 sprayers in 1963–64. A scheme for conducting co-ordinated manurial trials in farmers' fields has been sanctioned and necessary plots are being selected in the major arecanut growing areas of Salem, Kanyakumari and Coimbatore districts.

5. Agricultural Education.

(i) Establishment of pre-professional course.

		(Rs. in lakhs.)
Third Plan Provision	...	20·00
Actuals for 1961–62	...	2·56
Revised Estimate for 1962–63	...	1·85
Budget Estimate for 1963–64	...	1·06
Total for three years	...	5·47

The integration of pre-professional course in agriculture with regular degree course has been approved and given effect to from 1961–62.

(ii) Establishment of a Training College and opening of new post-graduate course.

		(Rs. in lakhs.)
Third Plan Provision	...	20·00
Actuals for 1961–62	...	1·82
Revised Estimate for 1962–63	...	1·03
Budget Estimate for 1963–64	...	1·22
Total for three years	...	4·07

The following new sections for post-graduate courses have been introduced :—

(1) Research on plant hematodes in Madras State.

(2) Research on virus diseases of crop plants.

(3) Setting up of Radio isotope (Tracer) laboratory.

(4) Agricultural Economics and Rural Sociology.

(iii) Agricultural Schools.

		(Rs. in lakhs.)
Third Plan Provision	...	Nil
Actuals for 1961–62	...	0·70
Revised Estimate for 1962–63	...	1·62
Budget Estimate for 1963–64	...	1·54
Total for three years	...	3·86

In order to give theoretical background and practical knowledge in modern agriculture, six agricultural schools were started in 1961–62 at Katpadi, Bhavanisagar, Paramakudi, Karaiyiruppu, Sakkottai and Kakkuppam. Five more schools at Ootacamund, Paparapatti, Kancheepuram, Thiruverangulam and Marthandam have been started during 1962–63. One more school at Madurai will be opened during 1963–64. Each school admits 20 trainees and is managed by a full-time instructor (upper subordinate). Boarding and lodging facilities are also provided for the trainees.

6. Agricultural Research.

(i) Research schemes.

	(Rs. in lakhs.)
Third Plan Provision	60·00
Actuals for 1961–62	3·46
Revised Estimate for 1962–63	4·99
Budget Estimate for 1963–64	11·05
Total for three years ...	19·50

The importance of agricultural research in its varied branches has been recognised and the work is being done at the Agricultural College and Research Institute, Coimbatore and in 41 Research stations and Centres affiliated to the institutions. During the current year 59 research schemes are in progress. Ten more schemes will be taken up during 1963–64.

(ii) Soil testing.

	(Rs. in lakhs.)
Third Plan Provision	8·00
Actuals for 1961–62	0·50
Revised Estimate for 1962–63	0·62
Budget Estimate for 1963–64	0·68
Total for three years ...	1·80

The scheme is intended to analyse and recommend fertiliser applications for crops in farmer's fields based on soil test with a view to maximising yields. Two centres are functioning at Aduthurai and Coimbatore. Two more centres will be established at Cuddalore and Kovilpatti during the current year.

7. Agricultural Extension Training Scheme.

	(Rs. in lakhs.)
Third Plan Provision	25·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	1·04
Budget Estimate for 1963–64	0·99
Total for three years ...	2·03

The following training schemes have been included in the Third Five-Year Plan under Agricultural Extension Training :—

1. Establishment of new workshop wings for training artisans.
2. Schemes for Refresher training of Gramasevaks.
3. Scheme for organising youth activities.
4. Scheme for Refresher training of Gramasevikas.
5. Expansion of Rural Extension Training Centres.

The scheme for the establishment of two workshop wings at the Rural Extension Training Centres, S.V. Nagaram, and Pattukottai has been sanctioned. These wings will train artisans in the manufacture and repair of improved agricultural implements. Each of these wings will train 20 artisans at a time and the course will be for one year.

An additional centre for the conduct of refresher training for the Gramasevaks was established at the Rural Extension Training Centre, S.V. Nagaram and the first course of Refresher training at this centre commenced on 16th April 1962. The Refresher

courses are run for a period of two months and 30 gramasevaks undergo the training in each course. Five such courses are expected to be conducted in a year. One hundred and eight Gramasevaks have so far undergone the refresher training in this centre.

8. OTHER ADDITIONAL SCHEMES.

(i) Tobacco Development.

	(RS. IN LAKHS.)
Third Plan Provision	3·00
Actuals for 1961–62	0·59
Revised Estimate for 1962–63	0·66
Budget Estimate for 1963–64	0·66
Total for three years ...	1·91

This scheme aims at improving the yield and quality of chewing and smoking tobacco by imparting technical knowledge to the growers through propaganda and demonstration of scientific methods of cultivation, harvesting, curing, processing, handling, grading, storage and disposal.

(ii) Cocoa.

	(RS. IN LAKHS.)
Third Plan Provision	1·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·001
Budget Estimate for 1963–64	0·49
Total for three years ...	0·491

A pilot scheme for planting cocoa in about 10 acres of land in each of Kanyakumari, Tirunelveli and Madurai districts and to establish subsidiary centres in private holdings of three to five acres adacent to the departmental planting centres has been sanctioned. Suitable sites in Alagiapandiapuram in Kanyakumari district, Kariar valley in Tirunelveli district and Lower Palni in Madurai district have been selected and the work will be commenced in 1963–64.

(iii) Agricultural Statistics.

	(RS. IN LAKHS.)
Third Plan Provision	11·38
Actuals for 1961–62	0·07
Revised Estimate for 1962–63	0·42
Budget Estimate for 1963–64	0·42
Total for three years ...	0·91

The following items of work have been included under this scheme :—

Scheme for improvement of Market Intellegence.—The scheme aims at improvement in regard to dissemination of objective and reliable information on different aspects of market intelligence, covering prices, arrivals, stocks, despatches, market sentiments, etc., at important market centres. In the Second Five-Year Plan period, 44 centres were covered. It is proposed to cover 56 additional centres in the Third Five-Year Plan period. In the year 1961–62, 20 additional centres were covered.

The main items of work carried out in 1961–62 and 1962–63 are daily display of both current prices and previous day's and also the prices at the other neighbouring market centres to the extent possible on a notice board in a prominent place in the market area in respect of each centre for the benefit of farmers, merchants, traders, etc.,

and (ii) supply of weekly market news bulletin in respect of each centre to village panchayats, Municipal Officers, Community Development centres, co-operative institutions, District Agricultural officers and Taluk officers for being put up on their notice boards for the benefit of local farmers, merchants, etc.

Purchase of I.B.M. data processing equipment.—This equipment is essential for processing the voluminous data collected in respect of large scale surveys, namely, national sample surveys, Sample Census, etc. The Government of India have proposed to release necessary foreign exchange for importing this equipment and action is being taken to obtain import licence.

Collection and consolidation of tea statistics is another item of work undertaken by the statistical unit in the Collectorate, the Nilgiris district. The work was carried out in 1961–62 and 1962–63, and it will be continued in 1963–64.

(iv) *Intensive Agricultural district programme.*

	(RS. IN LAKHS.)
Third Plan Provision	150·00
Actuals for 1961–62	9·03 *
Revised Estimate for 1962–63	7·57 *
Budget Estimate for 1963–64	7·22 *
Total for three years ...	23·82 *

* Excludes grant from Ford Foundation.

The object of the scheme is to undertake intensive Agricultural development with package practices to cover 65 per cent of the total area under paddy in Thanjavur district. It will result in stepping up the acre yield from 1,320 lb. to 1,650 lb. in terms of rice. During the first year of the Third Plan, 30 per cent of area cropped in 26 blocks has been brought under the programme.

This has been raised to 40 per cent of the cropped area in 24 blocks and 30 per cent in the remaining two blocks during 1962–63 to cover an area of 4·34 lakhs acres. The normal programme for 1963–64 will only be to raise the coverage to 50 per cent of the cultivated area, i.e., about 5·42 lakhs acres. In view of the National Emergency it has been decided to raise the coverage to the level of 6·90 lakhs acres or 65 per cent of the total cultivated area, in 24 blocks and 30 per cent in the remaining two blocks. The percentage of increase in the yield in the Package areas compared with non-package areas is 18 per cent during 1961–62. The establishment of an agricultural implements workshop at Thiruvarur, has been sanctioned and steps are being taken to establish it. 26 new tractors have also been received and they have been put to use.

(v) *Laboratory facilities and pot-culture course*

	(RS. IN LAKHS.)
Third Plan Provision	0·13
Actuals for 1961–62	Nil
Anticipated outlay for 1962–63	0·15
Proposed outlay for 1963–64	Nil
Total for three years ...	0·15

The scheme is intended to provide laboratory facilities to the field manure officers for testing and analysing the compost and to construct a pot culture house at Coimbatore.

9. LAND DEVELOPMENT.

(i) Tractor Hiring.

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	14·47
Anticipated outlay for 1962–63	31·79
Proposed outlay for 1963–64	12·50
Total for three years ...	58·76

As a number of tractors available with the Agricultural Department are old and unserviceable, it is proposed to purchase new tractors at a cost of Rs. 75·00 lakhs during the Third Plan period for replacing them. Of this Rs. 25·00 lakhs will be non-Plan side erpenditure. During 1961–62, 24 tractors were purchased.

During 1962–63 it is proposed to purchase tractors at a total cost of Rs. 16 lakhs.

During 1961–62, an area of 3,430 acres of virgin lands and 8,534 acres of current fallows has been levelled and ploughed. During 1962–63, another 3,510 acres of virgin lands and 9,020 acres of current fallows are proposed to be covered. A similar target has been fixed for 1963–64.

(ii) Tractor Hire Purchase.

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	6·67
Anticipated outlay for 1962–63	12·06
Proposed outlay for 1963–64	10·06
Total for three years ...	28·79

This scheme is intended to assist the ryots to own a tractor under hire-purchase basis to enable them to bring more areas under mechanised farming. Tractors are supplied up-to a maximum financial limit of Rs. 20,000 per ryot, and this amount is recoverable in five to seven years. The third plan programme provides for distributing 250 tractors at a total cost of Rs. 50·00 lakhs. During 1961–62, 39 units have been distributed. It is proposed to distribute another 75 units in 1962–63 and 60 units in 1963–64.

Minor Irrigation.

	(RS. IN LAKHS.)
Third Plan Provision	1,280·00
Actuals for 1961–62	297·84
Revised Estimate for 1962–63 ...	339·69
Budget Estimate for 1963–64 ...	364·85
Total for three years ...	1,002·38

II MINOR IRRIGATION

The Minor Irrigation Programmes play as important role in our endeavour to increase the food production, particularly as the scheme could be executed in a short period. The expenditure in 1961–62 was Rs. 298 lakhs, much more than the budgetted outlay of Rs. 274 lakhs. During the current year, the Minor Irrigation programme particularly, New Well Subsidy Scheme and Special Minor Irrigation Programme has been considerably accelerated in the context of the National Emergency and the need for stepping up food production immediately and the actual expenditure for the year may be even more than the Revised Estimate of Rs. 340 lakhs. The Budget provision for 1963–64 is 365 lakhs.

1. *Special Minor Irrigation Programme.*

	(RS. IN LAKHS.)
Third Plan Provision	800·00
Actuals for 1961–62	177·30
Revised Estimate for 1962–63	187·05
Budget Estimate for 1963–64	198·43
Total for three years ...	562·78

This scheme consists of small works of repairs and improvements to existing irrigation tanks, supply channels, construction of anicuts, dams, etc., and formation of tanks at a cost not exceeding Rs. 10 lakhs each. The Third Plan outlay on this scheme is Rs. 800 lakhs. Seven hundred and six works were completed during 1961–62. Eight hundred and forty-five works will be completed in 1962–63 and 760 works are proposed to be taken up in 1963–64.

2. *Desilting*-cum-*Reclamation of Irrigation tanks.*

	(RS. IN LAKHS.)
Third Plan Provision	80·00
Actuals for 1961–62	14·64
Revised Estimates for 1962–63	9·63
Budget Estimate for 1963–64	9·32
Total for three years ...	33·59

This scheme is designed to restore the lost capacity of silted tanks by desilting their beds and also raising their full tank level wherever possible. Under this scheme, the silted bed on the tank is deepened and the silt so removed is used to reclaim part of the submersible foreshore. The lost capacity of the tank is thus restored and the reclaimed area on the foreshore is brought under cultivation. The scheme was initially launched in selected areas on an experimental basis and has now been extended to the entire State. One hundred works are to be taken up during the Third Plan period. In 1962–63, 21 works will be completed and 20 more works are targeted for completion in 1963–64.

3. *New Well Subsidy Scheme.*

	(RS. IN LAKHS.)
Third Plan Provision	100·00
Actuals for 1961–62	55·68
Revised Estimate for 1962–63	101·12
Budget Estimate for 1963–64	113·44
Total for three years ...	270·24

Under this scheme, a subsidy is granted at the rate of 25 per cent of the cost of a new well, subject to a maximum of Rs. 250. A sum not exceeding Rs. 1,000 is initially advanced under the Land Improvement (Loans) Act, 1888, and the subsidy is adjusted therefrom after due completion of the work. The limit of loan assistance has been raised to Rs. 2,000 in selected areas consistent with the nature of the soil, water table, cost of construction, etc. Subsidy in such cases will be up to a limit of Rs. 500. The conditions attached to the grant of subsidy are (i) a minimum ayacut of one acre per well and (ii) continued cultivation of it with food crops for at least three years. Loans under the scheme are advanced in two equal instalments, the first one just prior to the commencement of the work and the second and final instalment, after the inspecting authority is satisfied that the advance has been usefully spent. It is seen that there has been a good response to the scheme from the public. This scheme, which was mainly being implemented in non-block areas in the Second Plan period, has since been extended to all Panchayat Unions. The number of works targetted for completion in the Plan period is 37,500. One thousand eight hundred and forty-six wells were sunk in 1961–62. In 1962–63, 2,500 wells will be constructed. During 1963–64, 2,500 wells are proposed to be taken up.

4. *Bore wells.*

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	*
Revised Estimate for 1962–63	*
Budget Estimate for 1963–64	*
Total for three years ...	*

This scheme provides for utilising the underground water resources by sinking bore wells and supplying pumping machinery under Hire Purchase Scheme. For this purpose loan assistance to the extent of Rs. 5,000 per well and a subsidy equal to 10 per cent of the total cost subject to a maximum of Rs. 500 in each case are being given. This subsidy is also being paid in cases where loan assistance is not availed of by the parties. The Third Plan programme provides for sinking 2,000 wells.

During 1961–62, 656 wells have been sunk. During 1962–63 another 600 wells will be sunk. The programme for 1963–64 provides for sinking 640 wells.

5. *Artesian wells and tube wells.*

	(RS. IN LAKHS.)
Third Plan Provision	94·00
Actuals for 1961–62	13·64
Revised Estimate for 1962–63	15·54
Budget Estimate for 1963–64	12·53
Total for three years ...	41·71

Artesian wells are being sunk in Chidambaram taluk in South Arcot district. A new scheme for sinking these wells in Udaiyarpalayam taluk in Tiruchirappalli district was

* Included in item 5.

also taken up and this has to be given up as there is no adequate flow of water due to heavy high-powered mechanical pumping of water by Neyveli Lignite Corporation. The matter is being studied by the Geological Survey of India. During 1961–62, 27 wells have been sunk. During the current year 28 wells will be sunk and the target for 1963–64 is sinking of 40 wells.

Filter Point Scheme.

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	15·09
Revised Estimate for 1962–63	7·19
Budget Estimate for 1963–64	4·82
Total for three years	27·10

The filter point is a device for pumping out water from sandy substrata for agricultural purposes. Loans not exceeding Rs. 3,000 are being granted for the purchase of pumping machinery and it is recoverable in five equal annual instalments. During 1961–62, 481 wells have been sunk and another 409 wells will be sunk in 1962–63. In 1963–64, 400 wells are proposed to be taken up.

7. River Pumping Scheme.

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	0·21
Revised Estimate for 1962–63	0·27
Budget Estimate for 1963–64	0·27
Total for three years	0·75

The object of the scheme is to utilise the water that will go waste into the river by sinking wells in the river-beds and pumping the same for irrigation purposes with the assistance of high-powered oil engine or electric motor pumpsets to irrigate 50 acres in a compact block. During the Third Plan period it is proposed to establish 30 centres in the State. During 1961–62, one centre was established. Three more centres will be established in 1962–63 and six more centres are proposed for 1963–64.

8. *Oil Engine and Electric Motor—Hire Purchase Scheme.*

	(RS. IN LAKHS.)
Third Plan Provision	100·00
Actuals for 1961–62	20·98
Revised Estimate for 1962–63	17·40
Budget Estimate for 1963–64	22·16
Total for three years	60·54

Under the scheme, oil engines and electric motors are supplied to the ryots for irrigation purposes. The cost is recovered in equal annual instalments ranging from three to five years. The Third Plan provides for the supply of 7,200 electric motor pumpsets and 1,240 oil engine pumpsets. During 1961–62, 238 oil engines and 751 electric motor pumpsets have been distributed. Two hundred and ten oil engines and 1,000 electric motor pumpsets will be distributed in 1962–63. During 1963–64, 245 oil engines and 1,800 electric motor pumpsets are proposed to be distributed.

9. *Ground Water Exploration Survey Scheme.*

	(RS. IN LAKHS.)
Third Plan Provision	1·00*
Actuals for 1961–62	0·30
Revised Estimate for 1962–63	1·49
Budget Estimate for 1963–64	3·88
Total for three years ...	5·67

The object of the scheme is to carry out a scientific survey of the groundwater resources in the Madras State and the possible lowering of sub-soil water table due to the vast increase in the number of wells tapping. To augment the groundwater resources of the industrial area lying south of Avadi-Villivakkam, the State Geological Branch, in collobration with the Geological Survey of India conducted a detailed groundwater investigation by sinking a number of auger holes.

During the current year, the investigation of groundwater conditions in the Chingleput district and the areas around Madras was conducted in view of the rapid industrialisation of these places. In addition to this, large areas between Avadi and Trivellore have been studied systematically.

During the period 1963–64, the groundwater investigations in the Chingleput district, particularly with reference to the Courtalayar basin are proposed to be conducted and intensified as soon as a suitable drill is procured.

* Token provision

Soil Conservation.	(RS. IN LAKHS.)
Third Plan Provision	250·00
Actuals for 1961–62	48·36
Revised Estimate for 1962–63 ...	54·93
Budget Estimate for 1963–64 ...	53·94
Total for three years ...	157·23

III. SOIL CONSERVATION.

1. *Soil Conservation in agricultural lands (Hills and Plains).*

	(RS. IN LAKHS.)
Third Plan Provision	220·00
Actuals for 1961–62	45·80
Revised Estimate 1962–63	49·65
Budget Estimate 1963–64	48·66
Total for three years	144·11

The soil conservation programme implemented during the Second Plan Period covered an area of 1·31 lakhs acres. The Third Plan provides for covering an area of 3·11 lakhs acres in the hill and plains. During 1961–62, soil conservation works were executed in the districts of the Nilgiris, Coimbatore, Salem, North Arcot and South Arcot, Chingleput, Tiruchirappalli and Madurai to cover an area of 78,347 acres. During 1962–63 the work has been extended to cover Ramanathapuram and Tirunelveli districts. and the anticipated coverage is 78,800 acres. During 1963–64, soil conservation works will be executed in 76,350 acres.

Dry Farming practices.

	(RS. IN LAKHS.)
Third Plan Provision	10·00 *
Actuals for 1961–62	1·04
Revised Estimate for 1962–63	0·61
Budget Estimate for 1963–64	5·03
Total for three years ...	6·68

The Third Plan provides for adoption of dry farming practices so as to prevent soil erosion and reduction in the fertility of the area. The object of the scheme is to conserve moisture and to increase crop production with little moisture available. The conventional dry farming practices are contour farming, wider spacing of crops, bund farming, bunding, basin listing and inter-cultivation, use of drought resistance crops and fertilising with farm manure if moisture permits. The total area under dry cultivation in this State is about 10 million acres, out of a total cultivated area of 17 million acres. During 1962–63, dry farming practices are being undertaken in 1,000 acres in Krishnagiri. It is also proposed to undertake dry farming inside and outside bunded areas to cover 10,000 acres. During 1963–64, it is proposed to cover an area of about 1,60,000 acres in thirty-two blocks of 5,000 acres in each block in the seven districts, Madurai, Tiruchirappalli, North Arcot, South Arcot, Tirunelveli, Ramanathapuram and Chingleput.

2. *Soil Conservation in Forest areas.*

	(RS. IN LAKHS.)
Third Plan Provision	30·00
Actuals for 1961–62	2·56
Revised Estimate for 1962–63	5·28
Budget Estimate for 1963–64	5·28
Total for three years ...	13·12

* Included in the Third Plan provision of Rs. 220 lakhs for soil Conservation in Agricultural lands.

(i) *Afforestation of dry fuel forests.*—The object of the scheme is to raise fuel and fodder species over 57,000 acres in the ex-zamin, ex-panchayat and scattered Reserve Forests in order to arrest further soil erosion and also augment firewood supplies in the State. During 1961–62, 9,148 acres were planted with fuel species and 9,554 acres will be raised in 1962–63.

In 1963–64, 2,644 acres will be planted with fuel and fodder species. Eight hundred acres in Cuddalore South Division will also be taken up, undertaking soil conservation measures in the cashew areas in Meliruppu Panchayat and surrounding villages.

(ii) ***Reconnaissance survey of eroded lands outside Reserve Forests.***—The survey attempts to locate the eroded areas outside Reserve forests, suitable for Forest-*cum*-pasture Development as a pre-requisite for taking up a Farm Forestry scheme in those areas. This survey was completed in Salem district in 1961–62 and in 1962–63. It will be taken up in the four Southern districts, viz., Madurai, Ramanathapuram, Tirunelveli and Kanyakumari. In 1963–64, the survey will be continued in these four districts.

3. *Co-ordinated scheme for undertaking soil conservation measures in the Kundah Catchment areas—Centrally sponsored scheme.*

	(RS. IN LAKHS.)
Third Plan Provision	..
Actuals for 1961–62	0·26
Revised Estimate for 1962–63	8·20
Budget Estimate for 1963–64	6·42
Total for three years ...	14·88

The object of the scheme is to undertake soil conservation measures over about 9,300 acres of forest lands, 4,800 acres of patta lands and 400 acres of poramboke lands in the Upper Kundah Catchment areas at a cost of Rs. 27·60 lakhs.

In 1962–63, the scheme was first taken up to tackle about 3,000 acres. During 1963–64, it is proposed to tackle about 900 acres of forest lands, 700 acres of patta lands and 650 acres of poramboke lands. In addition, gully control, silt control and stream bank protection works on the cathchment areas will be undertaken.

Animal Husbandry.

	(RS. IN LAKHS.)
Third Plan Provision	352·25
Actuals for 1961–62	35·708
Revised Estimate for 1962–63 ...	54·517
Budget Estimate for 1963–64 ...	55·563
Total for three years	145·788

IV ANIMAL HUSBANDRY

The progress made in respect of the schemes included in the State Third Five-Year Plan under 'Animal Husbandry' during the first two years of the plan, 1961–62, 1962–63 and the programme for the third year, 1963–64, are detailed in the following paragraphs :—

(1) CATTLE DEVELOPMENT.

1. *Scheme for Development of Feeds and Fodder Resources.*

	(RS. IN LAKHS.)
Third Plan Provision	3·00
Actuals for 1961–62	0·64
Revised Estimate for 1962	0·73
Budget Estimate for 1963–64	0·85
Total for three years ...	2·22

In order to demonstrate the organised manner of fodder production, silage making, etc., a scheme for development of feeds and fodder has been included in the State Third Five-Year Plan. During 1961–62, one 100-acre pasture plot and five 10-acre pasture plots have been established and five silo pits have been constructed. Subsidy was paid for raising short-term leguminous fodder. Seeds and cuttings of fodder grasses were supplied to the ryots at half cost. Similar programme of works taken up during 1962–63 will be continued during 1963–64 also.

2. *Establishment of Livestock Farms.*

	(RS. IN LAKHS.)
Third Plan Provision	**18·00**
Actuals for 1961–62	0·32
Revised Estimate for 1962–63	7·84
Budget Estimate for 1963–64	4·70
Total for three years ...	12·86

The Municipal Dairy Farm, Ootacamund, has been taken over by the Animal Husbandry Department on 1st September 1961 and it is being developed as a State Livestock Farm. The farm is intended to improve the jersey breed of cattle in the Nilgiris District. Another livestock farm is proposed to be established in Tirunelveli district. The taking over of the salvage farm at Abishekapatti, is under consideration. The expenditure for continuing the scheme is provided for in the Budget.

3. *Expansion of State Livestock Farms.*

	(RS. IN LAKHS.)
Third Plan Provision	**10·00**
Actuals for 1961–62	3·36
Revised Estimate for 1962–63	9·611
Budget Estimate for 1963–64	3·311
Total for three years ...	**16·282**

The scheme envisages the provision of additional facilities to the existing farms. The District Livestock Farm, Chettinad, has been taken up for development during 1961–62 and the District Livestock Farm, Orthanad, during 1962–63. Additional Murrah-She-buffaloes, 100 for each farm have been purchased. Buildings like cattle shed, milk byres, rest house, staff quarters, etc., have been sanctioned and the work has been taken up by Public Works Department. Purchase of tractors and power drills for use of Livestock Farms has been sanctioned under this programme. Sinking of 15 bore wells in the Orthanad farm for agricultural operations has been sanctioned. During 1963–64 it is proposed to purchase 150 murrah she-buffaloes and 150 graded Sind cows to increase the strength of the foundation stock at the various farms.

(2) Sheep Development.

4. *Sheep and Wool Extension Centres.*

	(RS. IN LAKHS.)
Third Plan Provision ...	5·00
Actuals for 1961–62 ...	0·20
Revised Estimate for 1962–63 ...	1·07
Budget Estimate for 1963–64 ...	1·05
Total for three years ...	2·32

The three Sheep and Wool Extension Centres sanctioned during 1961–62 were established in Hosur taluk at Thali, Avalapalli and Kundumaranapalli in Salem district for development of Mandya breed of sheep. Three centres sanctioned during 1962–63 will be established at Tiruvannamalai area at Radhapuram, Thanipadi and Sathanur in North Arcot district. Three more centres, places for location of which will be selected later, will be established during 1963–64.

5. *Sheep Farm.*

	(RS. IN LAKHS.)
Third Plan Provision ...	2·00
Actuals for 1961–62 ...	...
Revised Estimate for 1962–63 ...	0·57
Budget Estimate for 1963–64 ...	0·55
Total for three years ...	1·12

A sheep breeding unit has been established at the Ramanathapuram District Livestock Farm, Chettinad, during 1961–62 for development of Ramanathapuram breed of sheep. The construction of additional buildings and quarters has been sanctioned for the sheep farm, Kattupakkam, during 1962–63. It is proposed to continue the work and complte it during 1963–64.

(3) Education and Research.

6. *Strengthening of the Regional Biological Research Institute.*

	(RS IN LAKHS.)
Third Plan Provision ...	7·00
Actuals for 1961–62 ...	...
Revised Estimate for 1962–63 ...	1·38
Budget Estimate for 1963–64 ...	0·78
Total for three years ...	2·16

The Institute of Veterinary Preventive Medicine, Ranipet, has been strengthened by additional staff, equipments and buildings. During 1962–63, two sections for Bacteriology and Pathology have been started with necessary staff. It is proposed to start the Bio-chemistry section during 1963–64.

7. Extension Wing at the Madras Veterinary College.

	(RS IN LAKHS.)
Third Plan Provision	3·00
Acuals for 1961–62	...
Revised Estimate for 1962–63	0·43
Budget Estimate for 1963–64	0·61
Total for three years ...	1·04

This scheme has been sanctioned in 1962–63. Equipments for visual education like films, projectors, etc., are being purchased. Model cattle sheds, poultry houses, etc., are being provided in order to strengthen the extension wing.

8. Expansion of Statistical research in Livestock farms and Post-Graduate Research Institute.

	(RS. IN LAKHS.)
Third Plan Provision	2·00
Actuals for 1961–62	2·65
Revised Estimate for 1962–63	0·23
Budget Estimate for 1963–64	0·31
Total for three years ...	3·19

The scheme is intended to improve Animal Husbandry Research by adoption of Statistical methods to impart training to the students in the different branches of statistics at the Madras Veterinary College. This scheme is being continued.

9. Improvement to the Madras Veterinary College.

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	2·68
Budget Estimate for 1963–64	0·80
Total for three years ...	3·48

The spill-over of the building works for the Post-Graduate Course in the Madras Veterinary College has been included under this scheme. Provision of equipments, fittings and furniture to the buildings has been taken up under this scheme.

(4) GENERAL AND OTHER SCHEMES.

10. Scheme for opening of Veterinary Dispensaries.

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	1·78
Revised Estimate for 1962–63	2·41
Budget Estimate for 1963–64	5·58
Total for three years ...	9·77

In order to provide Veterinary facilities nearer the houses of ryots and to achieve the doctor to cattle ratio of 1 : 25,000 one Veterinary dispensary is proposed for each block. Locations of the 56 Veterinary Dispensaries sanctioned have been fixed and buildings have

been completed in respect of 17 Veterinary Dispensaries and in respect of 16, the work is in progress. Action has been taken to start the other dispensaries in rented buildings to achieve the target. It is programmed to start 30 veterinary dispensaries during 1963–64.

11. *Goshala Development.*

	(RS. IN LAKHS.)
Third Plan Provision	3·75
Actuals for 1961–62	0·50
Revised Estimate for 1962–63	0·81
Budget Estimate for 1963–64	0·94
Total for three years ...	2·25

To augment the development of milch cattle by utilising the facilities available with certain private charitable institutions, Goshalas are being established. Eight Goshalas have been taken up for development. Selected Goshalas are given an *ad hoc* grant of Rs. 5,000 each for building and a subsidy of Rs. 2,000 per year for maintenance of cattle. In addition, one breeding bull and 10 cows to each Goshala are supplied. Establishment of eight Goshalas has been proposed for the year 1963–64.

12. *Establishment of State Livestock Research Station.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	...
Budget Estimate for 1963-64	1·00
Total for three years ...	1·00

With a view to introducing in the State, the results of researches conducted at the Central and Regional Institutes, it is desired that each State should have its own Livestock Research Station adequately staffed and equipped. The model scheme of the Government of India envisages the establishment of three sections, viz., (1) Bacteriology and Pathology, (2) Nutrition and (3) Genetics. It is proposed to establish the Livestock Research Station on a phased programme at Ramanathapuram District Livestock Farm, Chettinad and the Nutrition Section will be during 1963–64. The other sections will be started during the remaining years of the Plan period.

13. *Control of Ranikhet disease.*

	(RS. IN LAKHS.)
Third Plan Provision	2·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·23
Budget Estimate for 1963–64	0·33
Total for three years ...	0·66

The scheme provides for the mass vaccination of poultry in all the districts to reduce the mortality among Poultry due to the incidence of Ranikhet disease. The vaccination work is to be carried out by the departmental and block staff in the field. The target for production of vaccine in the Institute of Veterinary Preventive Medicine, Ranipet, is 15 lakhs of doses per year.

14. *Livestock Shows, Milk Yield and Fodder Yield Competitions.*

	(RS. IN LAKHS.)
Third Plan Provision	3·00
Actuals for 1961–62	0·16
Revised Estimate for 1962–63	0·06
Budget Estimate for 1963–64	0·16
Total for three years ...	0·38

In order to create a competitive spirit among cattle breeders in rearing their cattle in good condition, cattle shows are organised. Seven district cattle shows were conducted at Coimbatore, Sankarankoil, Dharmapuri, Sattur, Villupuram, Dindigul and Coonoor. One State Show was held at Tiruchirappalli. It is proposed to conduct six District shows and one State show during 1963-64.

15. *Mass Castration of Scrub bulls.*

	(RS. IN LAKHS.)
Third Plan Provision	1·00
Actuals for 1961–62	0·09
Revised Estimate for 1962–63	0·50
Budget Estimate for 1963–64	0·40
Total for three years ...	0·99

Castrators are purchased and supplied under this scheme in the areas not covered by the Key Village Scheme. Ninety-three castrators were purchased and distributed during 1961–62. Orders have been placed for the supply of castrators during 1962–63. Four hundred castrators will be purchased during 1963–64.

16. *Training of Personnel.*

The scheme aims at the training of 50 additional Livestock Assistants, Grade II, during each year. It is proposed to start a separate centre for the training of additional number of Livestock Assistants, Grade II, at the Ramanathapuram District Livestock Farm, Chettinad during 1963–64. A provision of Rs. 0·29 lakh has been made in the Budget for this purpose.

17. *Procurement and distribution of bulls.*

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	6·30
Revised Estimate for 1962–63	2·67
Budget Estimate for 1963–64	5·77
Total for three years ...	14·74

In order to utilise the bulls produced in Key Village areas and to grade up cattle in areas not covered by Key Village schemes, centres are established under the scheme for procurement and distribution of bulls. In each centre, 50 bulls will be distributed to selected custodians who will be paid a maintenance subsidy of Rs. 30 per month per bull. Twelve centres started during 1961–62 are working satisfactorily. Five centres sanctioned for the year 1962–63 are being established. During 1963–64, five centres will be opened.

18. *Key Village Schemes.*

(*a*) Expansion Work.

	(RS. IN LAKHS.)
Third Plan Provision	8·00
Actuals for 1961-62	0·79
Revised Estimate for 1962–63	1·70
Budget Estimate for 1963–64	1·64
Total for three years ...	4·13

Six Key Village Blocks have been expanded by the addition of four Key Villages so as to cater to 10,000 cows and/or she-buffaloes of breedable age, during 1961-62. Four Key Village Blocks were expanded during 1962–63. The targets fixed have been fully achieved.

(*b*) New Blocks.

	(RS. IN LAKHS.)
Third Plan Provision	46·00
Actuals for 1961–62	3·72
Revised Estimate for 1962–63	5·84
Budget Estimate for 1963–64	8·86
Total for three years ...	18·42

Six Key Village Blocks with 10 Key Villages each covering 10,000 cows and/or she-buffaloes of breedable age were started in 1961–62. Three Key Village Blocks sanctioned for the year 1962–63 have been started and these are functioning satisfactorily. It is proposed to establish four Key Village Blocks during 1963–64.

(*c*) Additional Staff.

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	0·008
Revised Estimate for 1962–63	0·23
Budget Estimate for 1963–64	0·30
Total for three years ...	0·538

With a view to providing adequate supervisory staff, Government have sanctioned the appointment of two Inspectors of Key Villages during 1961–62. The Headquarters of these two Inspectors of Key Villages are located at Hosur and Kancheepuram. During 1962–63, one more post of Inspector of Key Villages was sanctioned. The Headquarters of this Inspector will be located at Pudukkottai, Tiruchirappalli district.

(*d*) Calf Subsidy.

	(RS. IN LAKHS.)
Third Plan Provision	16·00
Actuals for 1961–62	7·01
Revised Estimate for 1962–63	6·60
Budget Estimate for 1963–64	7·10
Total for three years ...	20·71

In order to give incentive to ryots to rear and maintain the calves in good condition up to maturity, a subsidy of Rs. 10 per month per calf is given for a period of thirty months or till the attainment of maturity of the calf whichever is earlier. Calves of over six months only are admitted. Two thousand calves were subsided in 1961–62 and 1962–63. It is proposed to subsidise 1,000 more calves during 1963–64.

19. *Poultry Development.*

(i) Expansion of farms (raising of baby chicks).

	(RS. IN LAKHS.)
Third Plan Provision ...	5·00
Actuals for 1961–62 ...	0·39
Revised Estimate for 1962–63 ...	1·244
Budget Estimate for 1963–64 ...	0·92
Total for three years ...	2·554

Expansion of the poultry extension centres at the sheep farm, Kattupakkam, has been taken up under this scheme. Equipments required for the centre have been purchased. Chicks have been received and reared. The building portion of the work has been taken up and it is in progress. The scheme will be continued and completed.

(ii) Expansion of Extension Centres.

	(RS. IN LAKHS.)
Third Plan Provision ...	7·00

The scheme aims at developing 7 poultry extension centres into farms with 500 layers. It will be taken up during the later years of the Plan.

(iii) Upgarding of Poultry.

	(RS. IN LAKHS.)
Third Plan Provision ...	2·00
Actuals for 1961–62 ...	0·22
Revised Estimate for 1962–63 ...	0·22
Budget Estimate for 1963–64 ...	0·54
Total for three years ...	0·98

In order to upgrade the poultry in selected blocks, 200 cockerels of exotic variety are distributed in each block. The target for distribution of 13,000 cockerels in 40 blocks in 1961–62 and 1962–63 has been achieved. Distribution of 9,000 cockerels has been programmed during 1963–64.

(iv) Manufacture of show cages.

	(RS. IN LAKHS.)
Third Plan Provision ...	0·05
Actuals for 1961–62 ...	0·05
Revised Estimate for 1963–64 ...	...
Budget Estimate for 1962–63 ...	...
Total for three years ...	0·05

In order to provide enough show cages for accommodating birds during poultry shows, 80 show cages have been purchased for Rs. 0·05 lakh during 1961–62.

(v) Additional Staff.

	(RS. IN LAKHS.)
Third Plan Provision	1·50
Actuals for 1961–62	0·20
Revised Estimate for 1962–63	0·20
Budget Estimate for 1963–64	0·21
Total for three years ...	0·61

Appointment of an additional Poultry Development Officer with necessary staff has been sanctioned under this scheme. The headquarters of the Poultry Development Officer is located at Madurai.

(vi) Training of Farmers.

	(RS. IN LAKHS.)
Third Plan Provision	0·80
Actuals for 1961–62	0·12
Revised Estimate for 1962–63	0·12
Budget Estimate for 1963–64	0·24
Total for three years ...	0·48

With a view to educate the farmers on the up-to-date methods of Poultry Husbandry, training to selected farmers is given. The training will be for a period of six weeks. Stipend at the rate of Rs. 30 per trainee per mensem is also paid. Two hundred farmers have been trained at the Poultry Research Station, Madras, Ramanathapuram District Livestock Farm, Chettinad and Livestock Research Station, Hosur, during 1961–62. Out of 200 farmers to be trained during 1962–63, 117 have so far been trained. Four hundred farmers will be trained during 1963–64.

(vii) Improvement to Poultry Houses.

	(RS. IN LAKHS.)
Third Plan Provision	0·40
Actuals for 1961–62	0·02
Revised Estimate for 1962–63	0·08
Budget Estimate for 1963–64	0·08
Total for three years ...	0·18

With a view to assist the breeders for improving the existing village poultry houses a subsidy of Rs. 15 each is paid. This has since been raised to Rs. 50 each. Two hundred and forty-three subsidies have been sanctioned for developing village poultry houses. Payment of subsidies at a cost of Rs. 8,000 has been programmed for 1963–64.

(viii) Day Old Chicks.

	(RS. IN LAKHS.)
Third Plan Provision	0·75
Actuals for 1961–62	0·11
Revised Estimate for 1962–63	0·15
Budget Estimate for 1963–64	0·15
Total for three years ..	0·41

In the direction of helping the Poultry breeders in raising their own stock of poultry, day old chicks are supplied under the scheme. So far, 23,895 chicks have been distributed. Distribution of 30,000 day old chicks is targeted for 1963–64.

(ix) Brooding equipment.

	(RS. IN LAKHS.)
Third Plan Provision	0·80
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·20
Budget Estimate for 1963-64	0·20
Total for three years ...	0·40

This scheme provides for loaning of brooding equipments to poultry farmers for rearing chicks supplied as day old under the scheme referred to in item (viii) above The scheme was taken up for implementation during 1962–63 and 97 brooders have been purchased. It is proposed to purchase brooding equipments during 1963–64 at a cost of Rs. 0·20 lakh.

(x) Supply of Incubators.

	(RS. IN LAKHS.)
Third Plan Provision	0·30
Actuals for 1961–62	0·06
Revised Estimate for 1962–63	0·18
Budget Estimate for 1963–64	...
Total for three years ...	0·24

To provide incubators at concessional rates to the poultry breeders, a subsidy equal to half the cost of the incubators to a maximum of Rs. 250 in each case is granted. Thirty-three incubators of 100 eggs capacity were supplied during 1961-62. Target for 1962–63 is the supply of 70 incubators. The target will be completed during 1963–64.

(xi) Establishment of new poultry extension centres.

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	5·83
Revised Estimate for 1962-63	5·10
Budget Estimate for 1963–64	6·08
Total for three years ...	17·01

With a view to covering more areas with poultry extension centres, five poultry extension centres were started during 1961–62. Four more poultry extension centres were sanctioned during 1962–63. Preliminary works for starting the four centres are started. Seven poultry extension centres at the rural extension training centres under the Expanded Nutrition Programme have been established. It is proposed to establish four poultry extension centres during 1963–64.

20. *Piggery Development.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961-62	0·11
Revised Estimate for 1962–63	1·41
Budget Estimate for 1963–64	1·06
Total for three years ...	2·58

To augment the nutritive value of food, the development of pigs is taken up in the State. Two piggery unit and four piggery development blocks have been sanctioned. The two units have been established at (1) District Livestock Farm, Pudukottai and (2) District Livestock Farm, Orthanad. The four blocks sanctioned are revenue districts of Thanjavur, Tiruchirappalli, Madurai and South Arcot. It is proposed to start two piggery development blocks during 1963–64.

21. *Production of Rinderpest Freeze Dried Vaccine at the Institute of Veterinary Preventive Medicine, Ranipet (Centrally sponsored scheme).*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961-62	0·86
Revised Estimate for 1962–63	0·78
Budget Estimate for 1963–64	0·82
Total for three years ...	2·46

The scheme for the prevention of Rinderpest provides for the production of Rinderpest Freeze Dried Vaccine at the Institute of Veterinary Preventive Medicine, Ranipet to meet the requirements of the vaccine for the Southern Region.

Dairying and Milk Supply.		
		(RS. IN LAKHS.)
Third Plan Provision	...	275·00
Actuals for 1961–62	...	79·31
Revised Estimate for 1962–63	...	87·35
Budget Estimate for 1963–64	...	101·70
Total for three years	...	268·36

V DAIRYING AND MILK SUPPLY.

As against a Five-year plan provision of Rs. 275 lakhs, during the first three years of the Plan period, a total expenditure of Rs. 268·36 lakhs or 97 per cent of the Plan provision is likely to be incurred, as could be seen from the details given below.

1. *Madras Dairy and Milk Project (Spillover).*

		(RS. IN LAKHS.)
Third Plan Provision	...	59·17
Actuals for 1961–62	...	50·97
Revised Estimate for 1962–63	...	38·55
Budget Estimate for 1963–64	...	22·95
Total for three years	...	112·47

The scheme aims at improving the milk supply position in Madras city. The Project envisages—

(i) the establishment of a cattle colony for 4,000 milch cattle at Madhavaram village on the outskirts of the Madras city;

(ii) organization of a large number of milk collection centres in the adjoining districts of Madras and the transport of surplus milk produced in those centres to the City; and

(iii) the setting up of a Central Dairy with a handling capacity to process 1·50 lakh lb. of milk per day and arranging for its distribution to the public in tamper-proof sealed bottles.

By the end of the Second Plan period 2,000 animals were settled in the Madhavaram Colony. Since the beginning of the Third Plan, 1,500 more animals have been taken into the colony. Before the end of the current year one more unit (500 animals) is also likely to be occupied. Thus the target of admission of 4,000 animals in the Colony will be achieved by March 1963. As far as the Central Dairy is concerned, the construction of Central Dairy building and the erection of plant and machinery have been completed. The Central Dairy was commissioned on the 28th of January 1963. In the initial stages, the Central Dairy will be handling about 75,000 lb. of milk daily. During 1963–64, it is proposed to increase the handling capacity of the Central Dairy gradually to its targetted capacity.

2. *Madras Dairy and Milk Project (Expansion).*

		(RS. IN LAKHS.)
Third Plan Provision	...	40·00
Actuals in 1961–62	...	0·07
Revised Estimate for 1962–63	...	9·27
Budget Estimate for 1963–64	...	20·93
Total for three years	...	30·27

One of the objects of the Madras Dairy and Milk Project is to organize a large number of milk collection centres in the adjoining districts of Madras and transport the surplus milk produced in those centres to the City. The milk thus collected will be chilled in the Chilling centres to be established and will be sent to Madras (Central

Dairy at Madhavaram) by road tankers for pasteurisation and distribution. During 1961–62 and 1962–63, the erection of machinery and construction of buildings at two places, viz., Baluchettichatram and Wallajabad were attended to. These two chilling centres which will be able to handle about 10,000 litres of milk each, are expected to be commissioned by the end of 1962–63. During 1963–64, the handling capacity of these chilling centres is proposed to be increased gradually by forming more rural co-operative milk supply societies in and around these places.

It is also programmed to establish an Integrated Dairy Scheme at Erode to handle about 50,000 lb. of milk daily. A number of co-operative milk supply societies in and around Erode upto 30 miles will be organised and the milk thus collected will be transported to Erode. After initial treatment, this milk will be sent to Madras by rail tankers, for pasteurisation at the Central Dairy at Madras and distribution. Preliminary work of surveying the areas to assess the milk potential has been completed. A few milk supply societies have also been organised. The selection of site for the Integrated Dairy Scheme at Erode with rail sidings, etc., is being attended to at present.

3. (*a*) *Loans for purchase of milch animals (Madras Dairy and Milk Project).*

	(RS. IN LAKHS.)
Third Plan Provision ...	10·00
Actuals for 1961–62 ...	7·07
Revised Estimate for 1962–63 ...	15·00
Budget Estimate for 1963–64 ...	20·00
Total for three years ...	42·07

During 1961–62 and 1962–63, a total sum of Rs. 22·07 lakhs was disbursed to cattle owners under Madras Dairy and Milk Project for purchase of milch animals both to the licensees in the Milk Colony, Madhavaram, and to the rural co-operative supply societies. During 1963–64, more numbers of societies are proposed to be formed to increase the milk production.

3 (*b*). *Loans for purchase of milch animals (Co-operative Sector)*

	(RS. IN LAKHS)
Third Plan Provision ...	59·50
Actuals for 1961–62 ...	16·35
Revised Estimate for 1962–63 ...	19·45
Budget Estimate for 1963–64 ...	20·67
Total for three years ...	56·47

The scheme envisages augmenting milk production in rural areas through the establishment of more milk supply co-operative societies and issue of loans to members of milk supply co-operative societies for the purchase of milch animals.

During the year 1961–62, the first year of the Third Plan, 140 milk supply co-operative societies were formed. A sum of Rs. 13·00 lakhs was disbursed to the members of milk supply co-operative societies for purchase of milch animals and Rs. 3·00 lakhs for purchase of pure bred heifers. The daily average production of milk in the societies stood at 63,978 Madras measures on 31st March 1962.

During the current year so far, 147 milk supply co-operative societies and one union have been formed. Short term loans to the extent of Rs. 14·50 lakhs and medium term loans to the extent of Rs. 4·00 lakhs will be issued for purchase of milch animals and pure bred heifers respectively. The target of 70,000 Madras measures per day for the current year would easily be achieved before the end of March 1963.

The programme for the year 1963–64 provides for the organisation of 30 milk supply co-operative societies and issue of short term loans to the extent of Rs. 15·00 lakhs for and medium term to the extent of Rs. 4 lakhs will be issued for the purchase of milch animals and pure bred heifers. The daily average production of milk will be increased.

4. New Milk Supply Schemes—Installation of Pasteurisation plants (Co-operative Sector.)

		(RS. IN LAKHS.)
Third Plan Provision	...	53·30
Actuals for 1961–62	...	3·04
Revised Estimate for 1962–63	...	0·25
Budget Estimate for 1963–64	...	12·00
Total for three years	...	15·29

The programme for the Third Plan envisages the installation of pasteurisation plants by the Tiruchirappalli, Thanjavur and Madurai Milk Supply Co-operative Unions. In 1961–62, the Tiruchi-Srirangam Co-operative Milk Supply Union purchased 2·47 acres of land for the installation of a pasteurisation plant, and it is taking steps to install the plant before 31st March 1964. During 1962–63, the Thanjavur Milk Supply Co-operative Union has been sanctioned a sum of Rs. 0·25 lakh to purchase site for the installation of a pasteurisation plant. Financial assistance will be given to the Union during 1963–64 towards the construction of buildings and purchase of machinery and equipment.

5. *Expansion of existing milk supply societies.*

		(RS. IN LAKHS.)
Third Plan Provision	...	8·79
Actuals for 1961–62	...	1·66
Revised Estimate for 1962–63	...	0·16
Budget Estimate for 1963–64	...	3·89
Total for three years	...	5·71

The existing milk supply co-operative societies will be provided with, under this scheme, assistance for the purchase of dairy equipment to handle milk under hygienic conditions.

Two milk vans, one chilling plant, one unit of machinery for by-products, and one drop-in-milk cooler, five testing equipments and one sterilisation unit were supplied to the societies during the first year of the Third Plan.

During the current year, the Tiruppur Milk Supply Co-operative Society in Coimbatore district would be installing a Chilling Plant and the Tuticorin Milk Supply Union in Tirunelveli district would be setting up a can and utensils sterilisation unit.

In 1963–64, it is proposed to give financial assistance to select milk supply societies for the installation of chilling plants and can and utensils sterlisation units.

6. *Establishment of co-operative salvage farms.*

		(RS. IN LAKHS.)
Third Plan Provision	...	5·53
Actuals for 1961–62	...	...
Revised Estimate for 1962–63	...	2·08
Budget Estimate for 1963–64	...	...
Total for three years	...	2·08

During 1962–63, the activities of two of the four salvage farms established during the Second Five-Year Plan will be developed by giving them the requisite financial assistance. Besides, one salvage farm is proposed to be established by the Thanjavur Co-operative Milk Supply Union. Necessary lands will be secured by the union shortly.

7. *Establishment of Cattle feed manufacturing centres.*

	(RS. IN LAKHS.)
Third Plan Provision	5·71
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·28
Budget Estimate for 1963–64	...
Total for three years	0.28

In order to make available concentrated cattle feed at reasonable rates to the owners of cattle, it is programmed to establish seven cattle feed manufacturing centres as adjuncts to existing milk supply co-operative societies during the Third Plan period.

During the year 1962–63, two cattle feed manufacturing centres would be formed as adjuncts to Thanjavur and Vellore Milk Supply Co-operative Unions.

8. *Rural Dairy Extension Services.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	2·00
Budget Estimate for 1963–64	1·00
Total for three years ...	3·00

Under the Madras Dairy and Milk Project, it is proposed to set up 50 Milk Collection Centres each covering about 10 villages in the rural parts. The milk that will be collected from these villages will be transported to the nearest Chilling Centres where the milk will be treated and sent to the Central Dairy at Madhavaram by road tankers for pasteurisation and sale to the public. It is necessary to have each of these collection centres equipped with deadstock like milk can, milk pails, etc., for distribution to the neighbouring co-operative societies. It is also essential that model buildings like milking sheds, etc., should be constructed in each village to house the milch animals with a view to educate the villagers in the proper upkeep of the animals and hygienic production of milk. Ten milk collection centres will be provided with model dairy buildings and milking utensils. During 1963–64, it is proposed to set up five centres. It is also proposed to establish a green fodder-*cum*-salvage farm by the Sivakasi Milk Supply Co-operative Society. Financial assistance by way of loan and subsidy will be sanctioned to the society to the extent necessary.

9. *Training of Dairy Personnel.*

	(RS. IN LAKHS.)
Third Plan Provision	2·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·16
Budget Estimate for 1963–64	0·10
Total for three years ...	0·26

Ten technical personnel working in the Madras Dairy and Milk Project have been deputed to other major dairies in India like Bombay, Anand, Delhi and Calcutta to study the working of those dairies, where modern pasteurisation plants are available. During 1963–64, seventeen persons are proposed to be deputed for training.

10. *Survey.*

	(RS. IN LAKHS)
Third Plan Provision	1·00
Actuals for 1961–62	0·15
Revised Estimate for 1962–63	0·15
Budget Estimate for 1963–64	0·16
Total for three years ...	0·46

The survey of the villages in and around Erode and Madurai has been completed. The survey of Tiruchirappalli district is being carried out at present. The survey work in the districts of Chingleput, North Arcot, South Arcot and other districts will be taken up and completed shortly.

Forests.	(RS IN LAKHS.)
Third Plan Provision	212·00
Actuals for 1961–62	29·567
Revised Estimate for 1962–63 ...	49·476
Budget Estimate for 1963–64 ...	54·285
Total for three years ...	133·328

VI. FORESTS

The total area of forests in the State is 6,554 square miles which is about 17 per cent of the total area of the State as against the optimum of 33 per cent. During the Third Plan, it is proposed to expand the forest areas in the State at a cost of Rs. 212 lakhs and about 4 lakhs of acres are expected to be added to the forest area during the Plan period. During the first three years, the addition to the forest area will be about 100,000 acres.

The main feature of development in 1961–62 among others is the raising of village fuel forests over 6.658 acres, Wattle and Bluegum over 4,512 acres, Rubber over 446 acres, Teak over 2,456 acres and Softwood over 1,852 acres. During 1962–63, the tempo of planting of commercial species is being kept up. The following are some of the important anticipated achievements in 1962–63 :—

	ACRES.
Village fuel forests	6,200
Wattle and Bluegum	4,423
Teak	2,126
Softwood	1,684

The scheme-wise progress during 1961–62 and 1962–63 and the programme for 1963–64 are given below :—

1. *Development of Farm Forestry.*

	(RS. IN LAKHS.)
Third Plan Provision	75.00
Actuals for 1961–62	2.91
Revised Estimate for 1962–63	6·17
Budget Estimate for 1963–64	14·57
Total for three years ...	23·65

The object of the scheme is to raise village forests over 2.62 lakhs of acres, in and around villages in all suitable Government poramboke lands, not put to any productive use at present, so that, in course of time, the rural population can cease to be wholly dependent on reserved forests for their day-to-day requirements of firewood, small timber, green manure, etc. Annually, about 100 acres in each Panchayat will be covered under this scheme.

In 1961–62, sixty-seven blocks in Salem, North Arcot, South Arcot and Chingleput districts were taken up in addition to 100 acres in the Vaigai Dam. The area planted was 6,658 acres. In 1962–63 another 24 new blocks will be taken up and 6,200 acres will be planted with fuel and fodder species in addition to 80 acres in the Vaigai Dam area.

In 1963–64, it is proposed to implement the scheme over about 21,300 acres in 213 blocks in the districts of Chingleput, South Arcot, North Arcot, Coimbatore, the Nilgiris, Madurai, Ramanathapuram, Tirunelveli and Kanyakumari.

2. *Economic Plantations.*

	(RS. IN LAKHS.)
Third Plan Provision	27·00
Actuals for 1961–62	6·49
Revised Estimate for 1962–63	10·27
Budget Estimate for 1963–64	10·38
Total for three years ...	27·14

(a) Plantations.

(i) *Teak.*—To augment the timber resources of the State an area of 5,500 acres will be planted with teak during the Plan period at a cost of Rs. 4·00 lakhs. In 1961–62, 1,582 acres were planted and in 1962–63 another 1,270 acres will be planted. In 1963–64, 995 acres (including 100 acres under irrigated technique) will be planted with teak.

(ii) *Softwood.*—The match industry is an important cottage industry of the State and it is necessary to place it on a firm footing by assuring a reasonable supply of the raw material. The object of the scheme is to raise softwood species suitable for the match industry over 5,000 acres at a cost of Rs. 4·00 lakhs.

During 1961–62, 1,852 acres have been planted at a cost of Rs. 0·94 lakhs and in 1962–63, another 1,684 acres will be raised at a cost of Rs. 1·56 lakhs. In 1963–64, 1,515 acres have been proposed to be planted with softwood.

(iii) *Casuarina.*—It is proposed to raise during the Third Plan period 3,000 acres with Casuarina in the Padugais and along sea coasts with a view not only to arrest erosion but also augment firewood resources of the localities. During 1961–62, 735 acres were covered and in 1962–63, another 717 acres will be planted with casuarina. In 1963–64, 690 acres will be raised with Casuarina.

(iv) *Wattle.*—Wattle and Bluegum are valuable for their industrial uses. Wattle bark yields tannin for tanning industries and its wood as well as that of bluegum can be used as a raw material for rayon and paper industries. During the Plan period, 20,000 acres of the species in the Nilgiris and Upper Palnis are proposed to be planted at a cost of Rs. 10·00 lakhs. During 1961–62, 3,870 acres of wattle and 642 acres of bluegum were raised. Three thousand and nine hundred and twenty-three acres of wattle and 500 acres with bluegum were planted during 1962–63. Over 3,500 acres of wattle and 500 acres of bluegum will be raised in 1963–64.

(v) *Bamboos.*—Besides being a poor man's timber, the bamboos are valuable raw materials for paper industry. It is proposed to raise bamboos on 5,000 acres. During 1961–62, 1,015 acres were raised and in 1962–63 another 1,040 acres will be raised. In 1963–64, 980 acres will be raised.

(b) Extension Forestry.

	(RS. IN LAKHS.)
Third Plan Provision	30·00
Actuals for 1961–62	0·60
Revised Estimate for 1962–63	1·501
Budget Estimate for 1963–64	1·50
Total for three years ...	3·601

(i) *Creation of river, canal and lake fringe forests.*—The scheme envisages raising of teak and other species suited to locality such as the Eucalyptus hybrid, Sissoo, neem, casuarina, etc., along the banks of rivers and canals. These plantations, when raised will arrest soil erosion and also augment timber resources of the State. An area of 4,000 acres have been proposed to be planted during the Plan period. During 1961–62, 874 acres have been covered and in 1962–63 another 856 acres will be covered. In 1963–64, 1,200 acres will be covered.

(ii) *Planting along Railway lines.*—A provision of Rs. 20·00 lakhs exists in the Third Plan for planting along railway lines, which has since been dropped.

(c) Rubber Plantations.

	(RS. IN LAKHS.)
Third Plan Provision	26·00
Actuals for 1961–62	5·92
Revised Estimate for 1962–63	9·47
Budget Estimate for 1963–64	7·44
Total for three years ...	22·83

Rubber is a strategically valuable commodity. The Plan provides for raising rubber over 2,000 acres at a cost of Rs. 26 lakhs. During 1961–62, 446 acres were planted with rubber and in 1962–63 another 364 acres will be planted. In 1963–64, 500 acres will be raised with Rubber. In addition construction of roads, buildings for staff, etc., will be undertaken.

3. *Consolidation.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	1·19
Revised Estimate for 1962–63	1·25
Budget Estimate for 1963–64	0·89
Total for three years ...	3·33

The scheme provides for surveying and delimiting the boundaries of ex-zamin forests in order that these forests can be reserved and more effectively protected and developed. During the Plan period, an area of 522 square miles of ex-zamin forests will be surveyed and demarcated and notified under section 4 of the Madras Act V of 1882. During 1961–62, 150 square miles were surveyed. During 1962–63 another 120 square miles will be surveyed. In 1963–64 another 127 square miles of ex-zamin forests will be surveyed and notified.

4. *Forest Resources Survey.*

	(RS. IN LAKHS.)
Third Plan Provision	3·00
Actuals for 1961–62	0·05
Revised Estimate for 1962–63	0·20
Budget Estimate for 1963–64	...
Total for three years ...	0·25

It is proposed to undertake a detailed survey of forest raw materials during the Plan period. During 1961–62, a preliminary survey was undertaken, and it was completed in 1962–63 and a reconnaissance report prepared.

5. *Rehabilitation of Degraded Forests.*

	(RS. IN LAKHS.)
Third Plan Provision	7·00
Actuals for 1961–62	1·19
Budget Estimate for 1962–63	2·11
Budget Estimate for 1963–64	2·11
Total for three years ...	5·41

The object of the scheme is to raise a green cover over the denuded Low Hill portions of ex-panchayat, ex-zamin and Reserved Forests over 18,000 acres during the Plan period. The plantations will not only arrest soil erosion but is also likely to supplement the firewood resources of the State. During 1961–62, 3,403 acres were covered and in 1962–63 another 3,192 acres will be covered. In 1963–64, 2,950 acres will be planted with fuel and fodder species.

6. *Development of Pasture and Grazing.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	0·55
Revised Estimate for 1962–63	0·68
Budget Estimate for 1963–64	0·52
Total for three years ...	1·75

The object of the scheme is to improve the pastures in the Reserved Forests over 5,000 acres. About 1,000 acres were raised during 1961–62 and 1962–63. As there is very little demand for the grass raised under the scheme, the scheme is discontinued.

7. *Preservation of Wild Life.*

	(RS. IN LAKHS.)
Third Plan Provision	8·00
Actuals for 1961–62	0·907
Revised Estimate for 1962–63	2·22
Budget Estimate for 1963–64	1·43
Total for three years ...	4·557

The object of the scheme is to improve and preserve the existing status of Wild Life in the State. It is proposed to open new sanctuaries, besides undertaking various improvements in Mudumalai Wild Life and Vedanthangal Birds Sanctuaries during the Plan period. During 1961–62, various improvements like laying of new roads, repairing old ones and making them fit for vehicular traffic and constructing camp sites in the Mudumalai Wild Life Sanctuary were completed. During 1962–63 these works will be taken up on a larger scale in addition to construction of watch towers, projected platform and rest house-*cum*-canteen in Vedanthangal Birds Sanctuary area. In 1963–64 improvements to old roads, construction of new roads, improvements to look-out towers, maintenance of observation towers, etc., in Mudumalai Wild Life Sanctuary area and widening tank bunds in Vedanthangal Birds Sanctuary area will be undertaken.

8. *Timber Operation and Forest Utilisation.*

	(RS. IN LAKHS.)
Third Plan Provision	3·00
Actuals for 1961–62	0·12
Revised Estimate for 1962–63	0·03
Budget Estimate for 1963–64	0·53
Total for three years	0·68

The scheme envisages providing improved logging tools and crane for the transport of the forest raw materials. During 1961–62, three units of two men enquipment for thirty sets were purchased from the Swiss Government. In 1962–63 provision was made for providing better harness for the elephants. In 1963–64, it is proposed to purchase one lorry and one trailer for Tirunelveli South Division for transporting timber to sale depot and provide better harness for elephants.

9. *Training of Staff.*

	(RS. IN LAKHS.)
Third Plan Provision ...	9·00
Actuals for 1961–62 ...	2·95
Revised Estimate for 1962–63 ...	7·35
Budget Estimate for 1963–64 ...	2·02
Total for three years ...	12·32

During 1961–62, an integrated training school at Vaigai Dam was opened to train 30 Foresters and 60 Forest Guards annually and is functioning. During 1962–63, the school will continue to be maintained and provision has also been made for the payment of the book value of the buildings transferred from the Irrigation Department. In 1963–64, the school will continue to impart training to 60 Foresters and 60 Forest Guards. Provision has also been made for giving outright grant of Rs. 250 for equipment for Forester and Rs. 45 for Forest Guard.

10. *Forest Research.*

	(RS. IN LAKHS.)
Third Plan Provision ...	3·00
Actuals for 1961–62 ...	0·14
Revised Estimate for 1962–63 ...	0·33
Budget Estimate for 1963–64 ...	0·55
Total for three years ...	1·02

(i) The scheme provides for opening of two additional Research Centres one at Vandalur for Cashew and the other at Denkanikotta for Sandal propagation including spike disease. During 1961–62, the two research centres were opened and research gardens over 35 acres were raised and in 1962–63 provision has been made to conduct experiments in these centres and raise research gardens over 35 acres. In 1963–64, the experiments will continue to be conducted in these centres and research gardens over 25 acres will be raised.

(ii) *Intensive Research on Wattle.*—The scheme envisages the opening of a wattle research station as an ancillary to the Silvicultural branch for carrying out intensive research exclusively on problems relating to wattle, with a view to intensifying and maximising the production of bark and wood in the limited areas available for growing this exotic species in the State. Under the scheme, wattle experiments will be undertaken right from the nursery stage up to extraction, utilisation and disposal of bark and wood.

During 1963–64, Preparatory arrangements like seed collection, formation of nurseries, fencing, etc., will be undertaken at a cost of Rs. 0·19 lakh.

11. *Communications (Roads).*

	(RS. IN LAKHS.)
Third Plan Provision ...	12·00
Actuals for 1961–62 ...	2·74
Revised Estimate for 1962–63 ...	3·82
Budget Estimate for 1963–64 ...	2·68
Total for three years ...	9·24

The scheme provides for laying out new roads and improving the existing ones to facilitate extraction of forest produce and ensure better supervision of forests During 1961–62, works were taken up for laying out new roads over six miles and improving old roads by metalling, etc., over three miles. About five miles of new roads will be constructed and 11 miles of old roads improved in 1962–63. In 1963–64, about 12 miles of new roads will be constructed and five miles of old roads improved.

12. *Construction of Building.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	1·64
Revised Estimate for 1962–63	0·50
Budget Estimate for 1963–64	0·30
Total for three years ...	2·44

Provision of quarters to the forest subordinates in difficult and out of the way localities is the aim of the scheme. During 1961–62, 16 buildings were completed. It is expected that 6 buildings will be constructed in 1962–63. In 1963–64 provision has been made for construction of four buildings.

13. *Amenities to Labour.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	1·10
Revised Estimate for 1962–63	1·01
Budget Estimate for 1963–64	0·69
Total for three years ...	2·80

During 1961–62, construction of eight mazdoor lines and 28 wells to subordinate quarters was undertaken. In addition 600 rain proof cumblies and one lorry for the transport of labour in Tiunelveli South were purchased. During 1962–63 construction of nine mazdoor lines, purchase of 450 cumblies and purchase of one lorry for Tirunelveli North Division are being undertaken. During 1963–64, provision has been made for construction of twelve mazdoor lines and purchase of 600 cumblies for supply to labourers.

14. *Forest Publicity.*

	(RS. IN LAKHS.)
Third Plan Provision	2·50
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·58
Budget Estimate for 1963–64	0·58
Total for three years ...	1·16

In 1962–63, it was proposed to have a publicity unit and the scheme was sanctioned but in view of National Emergency the creation of the unit is proposed to be implemented now.

15. *Forest Protection.*

	(RS. IN LAKHS.)
Third Plan Provision	2·50
Actuals for 1961–62	0·48
Revised Estimate for 1962–63	0·44
Budget Estimate for 1963–64	0·42
Total for three years ...	1·34

The object of the scheme is to devise ways and means for intensified and more effective measures to protect the forests by organising special and surprise raids and adopt preventive measures to save the valuable forests from fires and other hazards.

During 1961–62, a special mobile squad for Coimbatore circle was formed and look-out sheds in Nilgiris were constructed and in 1962–63, the unit continued to function. Construction of look-out sheds in the Nilgiris division and installation of telephone lines in the Madurai North division will also be taken up.

In 1963–64, the squad will continue its work and 15 look-out sheds in the Nilgiris will be put up. Provision has also been made for fire fighting operations.

16. *Raising of Fuel Forests.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·96
Budget Estimate for 1963–64	7·05
Total for three years ...	8·01

The project envisages the raising of fuel trees, such as eucalyptus hybrid, casuarina, etc., on about 1·37 lakhs of acres of Reserved Forest areas and ex-zamin forests, which at present carry only a scrub forest of no commercial value and do not even serve as grazing grounds. The estimated cost of the scheme is 242·39 lakhs spread over a period of ten years. During the Third Plan period, it is anticipated that 21,000 acres will be raised at a total cost of Rs. 41·00 lakhs. In 1962–63, an extent of 600 acres will be raised with Eucalyptus hybrid and in 1963–64 an area of 3,000 acres will be covered under the scheme.

7. *Centrally sponsored scheme—Planting of quick growing Species—Bamboo Plantation Project.*

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·20
Budget Estimate for 1963–64	0·20
Total for three years ...	0·40

The scheme envisages raising of 5,000 acres of bamboos with intermediate planting of Eucalyptus hybrid in North Coimbatore Plateau in Third Plan period. In 1962–63, 200 acres were planted with bamboos and Eucalyptus hybrid. In 1963–64, 600 acres will be raised with bamboos with intermediate planting of Eucalyptus hybrid. Provision has also been made for the purchase of one tractor with all accessories and one lorry under the scheme. Construction and Improvements of roads in the plantation area has also been provided.

Fisheries.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	222·00
Actuals for 1961–62	... .	24·26
Revised Etimate for 1962–63 ...	...	56·961
Budget Estimate for 1963–64	...	58·582
Total for three years	...	139·803

VII. FISHERIES

The main objectives of the scheme included in the State Third Five-Year Plan under ' Fisheries ' are three-fold as indicated below :—

(1) Increase in production of fish which is protein food of high nutritive value.

(2) Raising the socio-economic condition of the fishermen community, and

(3) Developing the fishing industry on modern and scientific lines as in other well developed countries.

Eighteen schemes, with a five year provision of Rs. 222·00 lakhs, have been included in the State Third Five-Year Plan. These mainly consist of schemes for increasing production of fish, for their preservation and for improvement of their marketing. The training of fishermen in the use of mechanised boats and synthetic nets as also financial assistance to fishermen has been provided for.

Details of the progress made in respect of the individual schemes during the years 1961–62 to 1962–63 and the programme for the year 1963–64 are given in the following paragraphs :—

1. *Supply of improved fishing boats.*

		(RS. IN LAKHS.)
Third Plan Provision	... ...	63·00
Actuals for 1961–62	... ...	7·39
Revised Estimate for 1962–63	... ...	29·59
Budget Estimate for 1963–64	... ...	25·10
Total for three years	...	62·08

The scheme is intended to provide fishermen with mechanised fishing boats for operating modern types of fishing gear. The boats are built and supplied to fishermen co-operatives and groups of fishermen at subsidised rates on hire purchase system. During 1961–62, 30 boats have been completed. During the year 1962–63, 70 boats will be constructed. Sixty-one marine engines under Yen Credit are being procured through the State Trading Corporation for this purpose and the balance requirements of engines will be got from the open market under rupee payment. The target for the year 1963–64 is one hundred boats. The permanent boat yard of the Fisheries Department at Royapuram will be fully functioning and there will not be difficulty in achieving the target.

2. *Provision of nylon nets and other accessories.*

		(RS. IN LAKHS.)
Third Plan Provision	... ...	20·00
Actuals for 1961–62	... ...	1·86
Revised Estimate for 1962–63	... ...	2·65
Revised Estimate for 1962–63 ...	... ...	1·03
Total for three years	...	5·54

The object of the scheme is to supply synthetic twines and nets to fishermen along with the mechanised boats at subsidised cost to modernise the fishing gear. Eighteen thousand, six hundred and fifty-one pounds of twine were imparted during 1961–62. As the targetted number of boats were not completed, only 7,061 lb. of twine were distributed during the year. During 1962–63, 28,000 lb. of synthetic twine have been purchased.

In 1963–64, nylon twine worth Rs. 3·00 lakhs will be purchased for distribution along with mechanised boats. Manufacture of synthetic twine has been started in India and therefore it will be possible to achieve the target without any foreign exchange requirements.

3. *Collection and distribution of fish seeds.*

	(RS. IN LAKHS)
Third Plan Provision ...	15·00
Actuals for 1961–62 ...	2·98
Revised Estimate for 1962–63 ...	4·09
Budget Estimate for 1963–64 ...	5·59
Total for three years ...	12·66

Collection and distribution of fish seeds for stocking in inland waters and thereby enriching their fisheries is envisaged under this scheme. The purchase of vehicles and jeeps for transporting the fish seeds to be stocked has also been provided for in the programme. Three hundred lakhs of fingerlings are to be collected and distributed every year. Two hundred and ten lakhs of fish seeds were collected and stocked in 1961–62. To accelerate the stocking programme, induced spawning for certain selected varieties of fish is being taken up and induced spawning centres at five selected places are being established. The target of 300 lakhs of fish seeds for 1962–63 is expected to be achieved.

With the introduction of fish culture in 100 blocks under the Panchayat Development Programme and 7 blocks under the Expanded Nutrition Programme in 1962, the requirement of fish seeds will far exceed their availability from natural sources. It is, therefore, proposed to start three more induced spawning centres during 1963–64. The aim is to fully stock all culturable inland waters with fish to augment food supply and earnings of the Panchayats.

4. *Development of Fishing Harbours and Landing facilities at suitable river mouths.*

	(RS. IN LAKHS.)
Third Plan Provision ...	35·00
Actuals for 1961–62 ...	2·09
Revised Estimated for 1962–63 ...	1·69
Budget Estimate for 1963–64 ...	5·13
Total for three years ...	8·91

Fishing harbours are necessary for the safe anchoring of mechanised fishing boats and for landing the catches. Under this scheme, construction of small fishing harbours and landing jetties are programmed at suitable fishing centres. The plans and designs have been prepared by the Harbour Engineers of F.A.O. of the United Nations Organisation. Fishing harbours at Madras, Cuddalore, Nagapattinam, Tuticorin and Colachel have been programmed.

The work on the Cuddalore Fishing Harbour which started during the Second Five-Year Plan has now been practically completed. The site and the building for the Nagapattinam Fishing Harbour have been purchased from the Malayan Government and the work is expected to be completed in 1963–64.

Arrangements for the acquisition of site for the fishing harbour at Tuticorin have been made. The site will be taken over shortly. The plan for this fishing harbour has been prepared. The hydrographic survey of the Colachel fishing harbour site has been completed. A landing jetty at Pulicat is expected to be constructed during 1962–63 itself.

5. *Fish curing yards.*

	(RS. IN LAKHS.)
Third Plan Provision	9·00
Actuals for 1961–62	1·39
Revised Estimate for 1962–63	1·15
Budget Estimate for 1963–64	1·72
Total for three years ...	4·26

Fish curers are not using good quality salt for curing fish and the local curing practices are also not hygienic. To enable fishermen to take to hygienic methods of curing, the fish curing yards are being maintained by Government and the cost of salt supplied to fishermen is also being subsidised. In 1961–62, a quantity of 5,375 tons of cured fish was produced. New fish curing yards will be opened in Ramanathapuram district in 1962–63. The anticipated achievement in 1962–63 is 7,000 tons A similar target has been fixed for 1963–64.

6. *Ice plant and cold storage facilities.*

	(RS. IN LAKHS.)
Third Plan Provision	8·00
Actuals for 1961–62	0·88
Revised Estimate for 1962–63	3·68
Budget Estimate for 1963–64	9·29
Total for three years ...	13·85

Ice and cold storage plants are important facilities required for preventing spoilage of fish and for regulated marketing of fish.

The erection of ice-*cum*-cold storage plants which had been pending during the Second plan were taken up in 1961–62 and the selection of sites and purchase of machineries were finalised. The cold storage plant at Ennore was completed and started functioning. Ice-*cum*-cold storage plants at Cuddalore and Nagapattinam were taken up for installation. The provision of the facilities at Pulicat, Sadras, Neelankarai, Thanjavur and Madurai was also finalised and orders for machinery placed. The plants at the above places and the cold storage plant at Nagercoil would be installed in 1962–63.

The two ton ice plants-*cum*-storages are proposed to be erected at two important landing centres in 1963–64 and necessary provision has been made in the budget.

7. *Quick transport of fish from landing centres to marketing and consuming centres.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	0·88
Revised Estimate for 1962–63	2·36
Budget Estimate for 1963–64	1·35
Total for three years ...	4·59

Under this scheme, motor vehicles are being hired out to fishermen co-operative societies to transport their catches from landing centres to marketing and consuming centres. Two big vehicles purchased in 1961–62 have been provided with partly insulated bodies for transporting iced fish in good condition. For the year 1962–63, sanction has been accorded for the purchase of three big vehicles and four three-wheelers. Two big vehicles will be purchased during 1963–64 These vehicles will be fully insultated. Even the previous vehicles that have partly insulated bodies. will be converted into fully insulated bodies to carry more fish economically.

Improvements to fish markets.

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	0·23
Revised Estimate for 1962–63	1·00
Budget Estimate for 1963–64	1·95
Total for thoree years ...	3·18

Under the scheme for 'Improvement to fish markets' 50 per cent subsidy is given to local bodies and fishermen co-operative societies for the construction of new markets according to a standarised design or improvements carried out to existing markets.

In 1961–62, subsidy to eight municipalities to the tune of 0·37 lakh was granted. It is proposed to grant a subsidy of Rs. 1·00 lakh to 20 fishermen co-operative societies and municipalities during 1962–63. The scheme will be continued in 1963–64. The two model fish markets at Madurai and Madras are proposed to be taken up that year.

9. *Loans to fishermen Co-operative Societies.*

(Centrally sponsored scheme.)

	(RS. IN LAKHS.)	
Third Plan Provision	30·00	
Actuals for 1961–62	5·13	
Revised Estimate for 1962–63	6·27	*
Budget Estimate for 1963–64	4·48	*
Total for three years ...	15·88	

Long and medium term loans are granted to fishermen co-operatives for purchase of fishing equipment. To assist them in the marketing of cured fish, loans and subsidise for construction of godown-*cum*-fish curing sheds are also provided under this scheme. In 1961–62 a sum of Rs. 3·64 lakhs was distributed as loans to fishermen co-operatives. During 1962–63, a sum of Rs. 6·00 lakhs is proposed to be granted as loans to fishermen co-operatives including three federations for marketing of cured fish.

Marketing is a vital factor in improving the conditions of the fishing community and the industry. This aspect had not been scientifically organised for co-ordinating marketing with the schemes relating to ice-*cum*-cold storages, quick transport facilities, and the mechanisation of fishing boats. It is therefore proposed to organise co-operative marketing unions at eight centres where cold storage facilities are being provided. These unions will undertake outright purchase of fish from members of the constituent societies, store the fish in the cold storage, repack, transport and market them and share the profit with the members supplying the fish. A provision of Rs. 4·00 lakhs for giving loans to the Societies has been made for 1963–64.

10. *Development of major reservoir fisheries.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	0·78
Revised Estimate for 1962–63	1·38
Budget Estimate for 1963–64	1·691
Total for three years ...	3·851

The Parambikulam-Aliyar Project and the Bhavanisagar reservoir have been taken up during 1961–62 for development of their fisheries. Seventeen lakhs of fingerlings were collected and stocked in these reservoirs. The exploitation of Manimuthar and Vaigai Reservoirs has been proposed for 1962–63. The reservoirs formed by the Kunniah Hydel Project have also been proposed to be taken up for development. A target of 30 lakhs of

* Provision will be met by the Centre.

fingerlings has been fixed to be collected from these reservoirs. A laboratory will be set up in the Nilgiris for study on cold water species of fish in upland lakes. A fish farm at Aliyar-Parambikulam Project is proposed to be put up during 1963-64. The stocking of the reservoirs will be continued as in previous years.

11. *Establishment of an Estuarine Fish Farm at Manakudi.*

	(RS. IN LAKHS.)
Third Plan Provision	1·00
Actuals for 1961–62	0·08
Revised Estimate for 1962–63	0·23
Budget Estimate for 1963–64	0·091
Total for three years ...	0·401

The scheme for the establishment of an estuarine fish farm at Manakudi has been sanctioned. The biological station has already been opened. The farm will be completed with buildings and laboratory during 1962–63. In 1963–64 the estuarine fish farm will be worked and research data collected.

12. *Training of Personnel.*

	(RS. IN LAKHS.)
Third Plan Provision	1·00
Actuals for 1961–62	0·54
Revised Estimate for 1962–63	0·42
Budget Estimate for 1963–64	0·44
Total for three years ...	1·40

Under this scheme, a training centre at Madras was established in 1961–62. Ten fishermen candidates are proposed to be trained every year in modern methods of fishing, navigation and maintenance of diesel engines. The course is for ten months. A boat has also been given to the training centre. A staff training institute at Nagapattinam has been established to train departmental staff in latest developments in fishery work. The training centres will be continued during 1963–64.

13. *Research into the means of improving fishing crafts.*

	(RS. IN LAKHS.)
Third Plan Provision	1·00
Actuals for 1961–62	0·02
Revised Estimate for 1962–63	0·11
Budget Estimate for 1963–64	0·11
Total for three years ...	0·24

The fishing craft and gear vary according to the conditions of the coast and fishery at each place. Modern types of crafts and gear have, therefore, to be designed according to the requirements at each place. For this purpose, a craft research unit has been established at Tuticorin which will be continued during 1963–64.

14. *Processing including, canning fish-meal, oil and bye-products.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	0·09
Revised Estimate for 1962–63	1·08
Budget Estimate for 1963–64	1·23
Total for three years ...	2·40

Fishery bye-products like oil, fish-meal, manure, shark, fins, etc., are to be developed and organised as industries under this scheme. Canning and other processed foods also form part of this development programme. In order to attend to these items of work, a research unit was established at Nagapattinam in 1961–62. A cannery at Tuticorin has also been sanctioned. The machinery for the cannery are being purchased. The research unit will be continued and the cannery completed in 1962–63. During 1963–64 the canning factory is expected to go into production. A fish-meal plant at Rameswaram is also proposed to be set up.

15. *Deep—sea fishing.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	(—) 0·12
Revised Estimate for 1962–63	0·74
Budget Estimate for 1963–64	1·05
Total for three year ...	1·67

At present, only a small coastal belt of the sea is being exploited by country craft like catamaram and sailing canoes. The fishing gear also are only for exploiting in-shore areas. For fishing in deeper waters beyond the 25 fathom line, bigger vessels and better types of fishing gear are required. Under this scheme, it is proposed to take up fishing in deeper waters with bigger vessels and improved types of fishing gear. A small unit for conducting deep-sea fishing off Tuticorin has been opened during 1961–62. The two boats programmed for 1961–62 are expected to be commissioned during 1962–63. The possibility of getting foreign collaboration for the setting up of a deep-sea fishing concern is being examined. As Tunas are in great demand in foreign countries, their exploitation on a large scale is being considered.

16. *Additional Staff for Planning and Propaganda.*

	(RS. IN LAKHS.)
Third Plan Provision	2·00
Actuals for 1961–62	0·03
Revised Estimate for 1962–63	0·34
Budget Estimate for 1963–64	0·35
Total for three years ...	0·72

This is a staff scheme.

17. ***Training District Fisheries Development Officers at the Central Institute of Fisheries Education, Bombay.***

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·11
Budget Estimate for 1963–64	0·11
Total for three year ...	0·22

Under this scheme, departmental staff are to be trained in the latest development in fishery science at the Central Institute of Fisheries Education, Bombay. In 1962–63, three Inspectors of the Fisheries Department were undergoing training. In 1963–64, the training programme will be continued and some more staff will be trained.

18. *Scheme for Fisheries Extension Unit.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·20
Budget Estimate for 1963–64	0·20
Total for three years ...	0·40

The Fisheries extension unit of the Government of India at Mandapam was transferred to the Madras Government on 1st April 1962. The station was taken charge on 31st March 1962 afternoon with all equipments which were transferred free of cost. This has been converted as a full fledged propaganda unit in the southern region of the State to educate the public in fish culture. The unit has now been equipped with a projector for propagnda work.

19. *Scheme for construction of Boat Building yard at Royapuram.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	6·00
Budget Estimate for 1963–64	2·00
Total for three years ...	8·00

The construction of a boat building yard at Royapuram was sanctioned at a cost of Rs. 8·00 lakhs. This yard when completed will enable the Fisheries Department to construct all the boats required departmentally at lessor cost and in shorter time. This yard will also undertake overhauling and attend to repairs. The buildings have come upto basement level.

Marketing and Warehousing.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	40·00
Actuals for 1961–62	... ...	1·54
Revised Estimate for 1962–63	...	6·21
Budget Estimate for 1963–64	...	3·69
Total for three years	...	11·44

VIII. MARKETING AND WAREHOUSING

Agricultural Marketing.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	15·00
Actuals for 1961–62	... ...	1·54
Revised Estimate for 1962–63	... ...	3·21
Budget Estimate for 1963–64	... ...	0·69
Total for three years	...	5·44

(*a*) *Loan assistance to Market Committees* :—The District Market Committees are being encouraged to establish new market yards and provide amenities therein. For this purpose a loan assistance of Rs. 3 lakhs has been provided in the Third Plan. During 1961–62, a loan of Rs. 25,000 to each of the Marketing Committees in South Arcot, Tiruchirappalli and Ramanathapuram districts was given. The remaining amount of Rs. 2,25,000 will also be disbursed to the Committees in North Arcot, Coimbatore, Tirunelveli and Thanjavur in the current year itself.

(*b*) *Arecanut Grading Centre at Mettupalayam* :—This centre provides technical assistance to the graders and supplies sets of sieves free of cost to them.

(*c*) *Establishment of ghee and oil grading laboratory* :—The laboratory is established to ensure that the ghee and oil consumed in urban areas are tested and inspected for quality. One laboratory at Salem has already been established in 1961–62. Another laboratory will be established in Tirunelveli during 1962–63. One more laboratory will be established in South Arcot District during 1963–64.

(*d*) *Establishment of Marketing Units* :—In order to accelerate the tempo of agricultural marketing by way of setting grading centres, standardisation of farm produces, collection and dissemination of market intelligence to the growers, popularising method of marketing farm produces through regulated markets in notified areas, three marketing units were established by the end of the Second Plan period. Two more units were established in 1961–62. These five units will be continued during 1962–63 and 1963–64.

Warehousing.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	25·00
Actuals for 1961–62	... ...	...
Revised Estimate for 1962–63	... ...	3·00
Budget Estimate for 1963–64	... ...	3·00
Total for three years	...	6·00

110205

The overall programme of the Madras State Warehousing Corporation for the Third Five-Year Plan is (i) to acquire sites at 16 centres for construction of godowns of 2,200 tons capacity each and five sites for godowns of 2,000 tons capacity each; (ii) to construct and complete the construction already started during the Second Plan at 18 centres, godowns with a capacity of 2,200 tons at each centre from the Corporation's funds and to arrange for construction of five godowns of 2,000 tons capacity from out of the Food

Bonus Fund, and (iii) to start temporary warehouses at 20 centres. Thus, at the end of the Third Plan, the Corporation would have owned accomodation of about 50,000 tons, the minimum capacity to function as a self-supporting economic unit to fulfil the object of scientific preservation of the stored agricultural products.

During 1961–62, being the first year of the Third Plan and fourth year of the working of the Corporation, it secured sites at Tuticorin, Dindigul and Rajapalayam by acquisition and purchase. The construction work started at Nagapattinam in 1960-61 was continued and the work at Tiruchirappalli commenced. The construction programme for the year could not be gone through due to delay in securing the sites, non-availability of construction materials like cement and steel and technical staff. As regards the opening of temporary warehouses the target of five centres was kept up. The total capacity of the temporary warehouses numbering 20 at the end of the year was 20,403 tons and the scheduled banks advanced loans on the receipts issued by the warehouses to the extent of Rs. 154 lakhs. The Corporation sustained a net loss of Rs. 62,768 as against Rs. 89,596 for the previous year.

During 1962–63, in order to accelerate the construction programme, the Corporation appointed a unit engineering staff consisting of an Executive Engineer, one Assistant Engineer and other Junior Engineers and subordinates. The Corporation secured two more sites at Salem and Pollachi. Five more sites at Madurai, Kancheepuram, Vriddachalam, Tirunelveli and Karur would be acquired before the end of the year. The construction works at Nagapattinam and Tiruchirappalli are being continued. Construction at Rajapalayam and Dindigul would be completed and works commenced at Pollachi, Salem and Tuticorin before the end of the year. Out of seven temporary warehouses fixed for the year, six have already been started at Chidambaram, Thanjavur, Tiruvarur, Mannargudi, Tiruvannamalai and Theni. The remaining one will be opened at Shiyali shortly. The Corporation anticipates a loss of Rs. 23,500 only against Rs 99,000 in the original Budget Estimates.

In 1963-64, being the third year of the Plan, the Corporation has programmed to secure sites at six centres for 2,200 tons capacity godowns and three for 2,000 tons capacity godowns to be constructed from the Food Bonus Fund. Construction will be started at four more centres besides completing the work left unfinished in 1962–63. Temporary warehouses at five centres with 500 tons capacity each will be opened. The Corporation has proposed to issue additional shares to the extent of Rs. 24 lakhs to be contributed equally by the State Government and the Central Warehousing Corporation and expects to work at a surplus of Rs. 22,300.

In the Budget for 1963–64, a provision of Rs. 3 lakhs has been made for investment in the Corporation. Additional funds required will be provided in due course.

Co-operation.	(RS. IN LAKHS.)
Third Plan Provision	471·06
Actuals for 1961–62	121·296
Revised Estimate for 1962–63 ...	109·80
Budget Estimate for 1963–64 ...	90·63
Total for three years ...	321·726

IX. CO-OPERATION

The schemes included in the Third Five-Year Plan under "Co-operation" are the expansion of agricultural credit and marketing, farming, training of co-operative personnel, development of consumers' co-operatives and societies for the benefit of the weaker sections of the people, such as Labour Contract Societies, Washermen Co-operative Societies, etc. A sum of Rs. 471·06 lakhs has been included in the State Third Five-Year Plan for the schemes under this head of development.

A brief account of the progress made during the first two years, 1961–62 to 1962–63 and the programme for the third year, 1963–64 in respect of some of the schemes are given below :—

I. Credit.

	(RS. IN LAKHS.)
Third Plan Provision	147·56
Actuals for 1961–62	16·95
Revised Estimate for 1962–63	31·10
Budget Estimate for 1963–64	34·86
Total for three years ...	82·91

At the beginning of the Third Plan, the co-operatives in the State had covered all the villages and brought within the fold of their membership 62 per cent of the rural population. The credit co-operatives and the land mortgage banks issued loans to the extent of Rs. 25·70 crores during the last year, i.e., 1960–61 of the Second Plan.

During the first two years of the Third Plan, 677 village credit societies and seven land mortgage banks were formed. Two thousand village credit societies were selected under the revitalisation scheme. Agricultural banks constructed 30 office buildings and supervising unions, 10 buildings with financial assistance by way of loan and subsidy. Government invested a sum of Rs. 39·37 lakhs in the share capital of the credit co-operatives during the year 1961–62. The share capital and deposit position of credit co-operatives would increase from Rs. 6·86 crores to Rs. 9·83 crores and from Rs. 17·16 crores to Rs. 22·90 crores respectively by the end of 1962–63. The co-operatives would have covered 75 per cent of the rural population and issued loans (short term, medium term and long term) to the extent of Rs. 34·00 crores by the end of 1962–63.

The programme for the year 1963–64, the third year of the plan, is the organisation of 100 more new village credit societies and three new land mortgage banks. One hundred more village credit societies will be selected under the revitalisation scheme. The Full Finance Scheme which is in operation in 103 Community Development Blocks will be introduced in 70 additional blocks. Government will contribute to the extent of Rs. 22·07 lakhs to the special bad debts reserve of the primary credit societies and central banks. Government will participate in the share capital structure of credit co-operatives to the extent necessary. The co-operatives will serve 80 per cent of the rural population by the end of 1963–64 and are expected to increase the quantum of credit supplied by them from Rs. 34 crores to Rs. 40·00 crores.

2. *Marketing.*

(RS. IN LAKHS.)

Third Plan Provision	135·10
Actuals for 1961–62	49·24
Revised Estimate for 1962–63	44·01
Budget Estimate for 1963–64	24·24
Total for three years ...	117·49

During the last year of the second plan, i.e., 1960–61, the value of the agricultural produce marketed through the co-operative marketing societies was Rs. 4·94 crores. During the Third Plan period, it is proposed to increase the volume of marketing undertaken by marketing societies from Rs. 4·94 crores to Rs. 20·00 crores during the last year of the Third Plan period. During the current year (1962-63) the value of the produce marketed by the societies would amount to Rs. 10·60 crores as against Rs. 9·97 crores in 1961–62. During the year 1963–64 it is proposed to increase the marketing business so as to reach a target of Rs. 14·30 crores.

With a view to providing storage facilities to the agriculturists and enabling them to hold over their produce for better market, 293 godowns were constructed by the village credit societies, agricultural banks and marketing societies during the second plan period. During the years 1961–62 and 1962–63, 462 godowns were constructed. The programme for the year 1963–64 is the construction of 210 godowns.

During the year 1961–62, financial assistance to the extent of Rs. 3 lakhs was given in the shape of share capital to the Thanjavur Co-operative Marketing Federation and Tirunelveli District Co-operative Supply and Marketing Society and Nagapattinam Co-operative Marketing Society for the installation of two rice mills and a rice huller respectively. A provision of Rs. 1·00 lakh has been made for assistance to Co-operative Marketing Societies for installation of processing plants during 1963–64. A sum of Rs. 1 lakh was invested by Government in the share capital of select marketing societies to provide them with working capital for their business during 1961–62. A sum of Rs. 2·00 lakhs is proposed to be invested during the current year. During the two years 1961–62 and 1962–63, 28 primary co-operative marketing societies were provided with the services of a senior inspector each to work as manager, their cost being met on a graded basis by the Government and the Societies.

With a view to providing quick transport facilities to marketing societies in marketing the produce of the agriculturists and in supplying their requisites at their doors, financial assistance was given to eleven marketing societies for the purchase of lorries during the first two years, 1961–62 and 1962–63. During 1963–64 financial assistance by way of subsidy will be given to 17 marketing societies which have installed processing plants to employ technical staff such as drivers, fitters, etc.

3. *Farming.*

(RS. IN LAKHS.)

Third Plan Provision	35·00
Actuals for 1961–62	6·78
Revised Estimate for 1962–63	9·00
Budget Estimate for 1963–64	11·50
Total for three years ...	27·28

The Working Group apponited by the Government of India under the chairmanship of Sri S. Nijalingappa recommended the organisation of co-operative joint and collective farming societies. It was suggested that 320 pilot projects, each consisting of 10 joint and collective farming societies in a compact area of one or two blocks might be introduced in the country during the Third Plan. In Madras State, it is proposed to introduce 12 pilot projects at the rate of one for each district.

During the year 1961–62, three pilot projects were introduced one each in the districts of Madurai, Ramanathapuram and Tirunelveli. Twenty-one joint farming societies were also organised in these three districts. Besides, 5 joint farming societies were formed in the non-pilot areas. Financial assistance was given to the farming societies by way of share capital loans and subsidies for meeting their requirements of working capital, agricultural equipment, construction of godowns, etc. The programme for the year 1962–63 is the establishment of ten co-operative joint farming societies in each project in the districts of Chingleput, Salem and Coimbatore. Nine more societies are to be formed in the districts of Ramanathapuram, Tirunelveli and Madurai and five joint farming societies in the non-pilot areas. So far, twelve joint farming societies have been organized.

The programme for the year 1963–64 is the setting up of three more pilot projects, one each in three other districts and ten societies will be formed in each pilot project.

4. *Education and Training.*

	(RS. IN LAKHS.)
Third Plan Provision	30·45
Actuals for 1961–62	10·99
Revised Estimate for 1962–63	7·75
Budget Estimate for 1963–64	4·82
Total for three years	23·56

During the year 1961–62, two training institutes, one at Vellore and the other at Tirunelveli to train non-official candidates were established. The five co-operative training institutes including the three formed during the Second Plan imparted training to 865 candidates. In addition to the existing Central Co-operative Institute, Madras, another departmental institute at Madurai was started. The scheme of education of members, panchayatdars and office-bearers was implemented in one block in each of the 12 districts, and in Madras City and 16,216 candidates were trained. The Tamilnadu Co-operative Union implemented the scheme for " Publicity and propaganda " and conducted the short-term course for the training of untrained employees of co-operative institutions and also the seminars on specified subjects. This programme will be continued.

During the year 1962–63, five co-operative training institutes are imparting training panchayatdars and the office-bearers twelve districts at the rate of 753 candidates. The scheme of training of members, panchayatdars and the office-bearers is under implementation in all the 12 districts at the rate of three blocks in each district besides one in Madras. Officials and non-officials will be deputed to the other States of the Indian Union to study the working of sugar factories, etc. Two District Co-operative Unions will also be formed. During the year 1963–64, the five training institutes will continue to train about 160 candidates each.

5. *Consumers' Co-operatives.*

	(RS. IN LAKHS.)
Third Plan Provision	13·78
Actuals for 1961–62	1·95
Revised Estimate for 1962–63	3·55
Budget Estimate for 1963–64	1·66
Total for three years	7·16

During the year 1961–62, Government participated in the share capital of 20 co-operative stores. Financial assistance by way of subsidy was given to 20 stores to meet the cost of managerial staff employed by them. Financial assistance by way of loan was given to four co-operative stores and 12 co-operative stores for the installation of oil crushing and coffee grinding machinery respectively.

During 1962–63, Government would participate in the share capital of 20 co-operative stores, provide subsidy to meet the cost of managerial staff employed by 50 co-operative

stores. Financial assistance by way of loan would be given to co-operative stores for the installation of four oil crushing machinery, ten coffee grinding machinery, for construction of tour office-*cum*-godown buildings and for purchase of lambrettas and tri-cycles to introduce home delivery system.

The programme for the year 1963–64 is the participation by Government in the share capital of 20 co-operative stores and provision of financial assistance by way of subsidy to 20 stores to employ managerial staff. It is also proposed to give financial assistance to co-operative stores for purchase of lambrettas and tri-cycles to introduce home delivery system.

6. *Miscellaneous schemes.*

	(RS. IN LAKHS.)
Third Plan Provision	9·17
Actuals for 1961–62	3·456
Revised Estimate for 1962–63	1·84
Budget Estimate for 1963–64	0·61
Total for three years ...	5·906

(*a*) Labour Contract Societies.

During the year 1961–62, one District Labour Contract Society was formed in Kanyakumari district. Financial assistance has been given to the society towards share capital, working capital, etc. Financial assistance is proposed to be given to nine primary labour contract societies towards their working capital.

(*b*) Societies for washermen.

During the year 1961–62, four co-operative societies for washermen were formed, one each in the districts of South Arcot, the Nilgiris, Tiruchirappalli and Tirunelveli. Three more societies have been formed, one each in the districts of Thanjavur, Madurai and Ramanathapuram in 1962–63. The programme for the year 1963–64 is the organization of two societies, one at Coimbatore and the other at Salem.

(*c*) Organization of Auto-Rickshaw Drivers' Society in Madras City.

During the year 1961-62, a society was organized for the benefit of auto-rickshaw drivers. On account of restrictions imposed on the licencing of this type of vehicles, the society is proposed to be converted into one for the benefit of taxi drivers.

7. *Co-operative Sugar Factories.*

	(RS. IN LAKHS.)
Third Plan Provision	90·00
Actuals for 1961-62	30·00
Revised Estimate for 1962–63	10·00
Budget Estimate for 1963–64	10·00
Total for three years ...	50·00

During the year 1961–62, two co-operative sugar factories were established, one at Kallakurichi in the South Arcot district and the other at Alanganallur in the Madurai district. Government participated in the share capital of Salem Co-operative Sugar Mills, Kallakurichi Co-operative Sugar Factory and the National Co-operative Sugar Factory to the extent of Rs. 5 lakhs, Rs. 15 lakhs and Rs. 10 lakhs, respectively.

During 1962–63, Government would invest Rs. 5·00 lakhs in the share capital of Kallakurichi Co-operative Sugar Factory Limited, and Rs. 5·00 lakhs in the share capital of the National Co-operative Sugar Factory Limited.

The programme for the year 1963–64 provides for the participation by Government in the share capital to the extent of Rs. 5·00 lakhs in the Salem Co-operative Sugar Factory, Limited, and Rs. 5·00 lakhs in National Co-operative Sugar Factory, Limited, Alanganallur, Madurai district.

Centrally sponsored Schemes.

Consumers Co-operatives—Scheme for stabilization of prices.—This is a new scheme introduced in 1962-63 in the light of the National Emergency. With a view to bringing about stabilization of prices of essential commodities, Government have sanctioned a scheme under which primary co-operative stores will be started in urban areas. To start with, cities and towns with a population of more than one lakh (9 in number) have been taken up. In addition to 74 stores already functioning in these nine places, 71 branches of the stores are proposed to be formed, against which 51 have so far been started.

The District Supply and Marketing Societies are expected to make bulk purchase of essential commodities during favourable seasons and supply to the affiliated primaries. Government have sanctioned financial assistance to the primary and wholesale stores to enable them to implement the scheme by way of subsidy towards the cost of rent, managerial cost, share capital, working capital, etc.

Community Development Programme.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	2,036·00
Actuals for 1961–62	... ...	416·87
Revised Estimate for 1962–63	...	484·00
Budget Estimate for 1963–64	...	419·83
Total for three years	...	1,320·70

X. COMMUNITY DEVELOPMENT PROGRAMME.

At the beginning of the Third Five-Year Plan, the Community Development Programme was in operation in 254 blocks including 32 Pre-Extension blocks. The stages of Blocks at the beginning of the Third Plan were as follows :—

Serial Number and Pattern.	*Number*
1. Stage I Blocks	141
2. Community Development Blocks	6
3. Stage II Blocks	75
4. Pre-Extension Blocks	32
	254

The 32 Pre-Extension blocks launched in the year 1960–61 entered Stage I with effect from 1st April 1961. During 1961–62, 64 Pre-Extension Blocks were launched. During 1962–63, 56 Pre-Extension blocks were launched and the 32 Pre-Extension blocks launched in 1961–62 entered Stage I with effect from 1st April 1962. The 32 Pre-Extension Blocks of 1961–62 and 56 Pre-Extension Blocks of 1962–63 will enter Stage I of the Community Development Programme during 1962–63 and 1963–64, respectively.

Panchayats

	(RS. IN LAKHS.)
Third Plan Provision	10·59
Actuals for 1961–62	...
Revised Estimate for 1962–63	3·86
Budget Estimate for 1963–64	0·04
Total for three years ...	3·90

XI. PANCHAYATS.

Training Schemes.

Details of the progress during 1961–62 and 1962–63 and the programme for 1963–64 in respect of the schemes under this head of Development are given below :—

(i) *Setting up of District Institutes for training non-officials in Community Development, Panchayati Raj and Co-operation.*—It has been considered that it is not necessary to establish District Institutes for the training of non-officials. However a scheme for the training of Presidents and Vice-Presidents of Panchayats has been sanctioned and the responsibility for organising the training camps has been entrusted to the Madras State Union of Panchayats. The scheme is under implementation from April 1961–62 and it is expected to be completed by the end of 1962–63. The scheme is expected to cost Rs. 3.86 lakhs. The Government of India have promised to give a grant of Rs. 1·05 lakhs.

(ii) *Training Reserve.*—The matter is under correspondence with the Government of India.

(iii) *Sammelans for non-officials.*—In October 1961, a State level conference was held in Madras. It discussed Panchayat Participation in Third Five-Year Plan, Panchayat Programme of Development of Agricultural Production and Panchayat Programme of Propagation of Family Limitation.

(iv) *Training of Executive Officers of Panchayats and Extension Officers for Panchayats.*—In 1961–62, four study courses were conducted for Extension Officers for Panchayats, and 392 persons were trained. In 1962–63 seven courses were conducted and 173 persons have been trained. In 1962–63 seven study courses were conducted for the Executive Officers of Panchayats and 173 persons have been trained.

Irrigation.

		(RS. IN LAKHS).
Third Plan Provision	... ...	2,741·85
Actuals for 1961–62	... ...	464·44
Revised Estimate for 1962–63	...	480·293
Budget Estimate for 1963–64	...	497·22
Total for three years	...	1,441·953

XII. IRRIGATION.

I. SPILL-OVER SCHEMES.

Parambikulam–Aliyar Project.

	(RS. IN LAKHS.)
Third Plan Provision	2,112·07
Actuals for 1961–62	413·27
Revised Estimate for 1962–63	410·89
Budget Estimate for 1963–64	462·35
Total for three years ...	1,286·51

The project envisages utilisation of waters of some rivers having their origin in the Anamalai hills and falling into the Arabian Sea after flowing through both the States of Madras and Kerala. The project contemplates integration of seven rivers, five on the Anamalai hills and two on the plains by constructing reservoirs across them and inter-connecting them through tunnels. These tunnels would carry water thus impounded in the reservoirs to lower levels and ultimately to plains of Coimbatore district. The project aims at provision of irrigation facilities to an extent of 2·40 lakhs of acres in the dry and arid regions of Coimbatore district in Pollachi, Udumalpet, Dharapuram and Palladam taluks and will also have a power generation unit with an installed capacity of 1,80,000 K.W. The estimated cost of the scheme including the power portion is Rs. 35·08 crores.

Aliyar Dam, one in the series, has been completed and the reservoir was thrown open for irrigation on 2nd October 1962 to benefit initially about 7,500 acres in Pollachi taluk.

Works on the other dams are in good progress. Simultaneously the canals and cross masonry works across them are also taken up and are progressing fairly well according to schedule and the entire work is likely to be completed by 1967.

2. OTHER SPILL-OVER SCHEMES.

The following ten schemes were continued to be executed during the years 1961–62 and 1962–63 and they have been completed in all respects except for certain minor items of works. A provision of Rs. 3·77 lakhs has been made for these schemes for the year 1963–64.

Serial number and name of Scheme. (1)	Provision in Third Plan. (2)	Actuals for 1961–62. (3)	Revised Estimate for 1962–63. (4)	Budget Estimate for 1963–64. (5)	Total, Col. (3) to (5). (6)
			(RS. IN LAKHS)		
1 Kodayar Project System.. ..	2·07	7·04	2·66	0·16	9·86
2 Mettur Canals	3·87	0·48	4·37	..	4·85
3 Manimuthar Project	(—) 12·06	(—) 3·30	(—) 1·62	(—) 4·91	(—) 9·83
4 Vaigai Reservoir Project.. ..	5·21	1·20	4·91	3·29	9·40
5 Sathanur Project, II Stage ..	(—) 0·94	0·99	0·53	(—) 0·33	1·19
6 Krishnagiri Project	3·03	(—) 0·49	0·44	0·47	0·42
7 Kattalai High Level Canal ..	5·90	2·83	(—) 4·43	0·27	(—) 1·33
8 Pullambadi Canal Scheme ..	7·10	7·01	4·07	4·57	15·65
9 Vidur Reservoir Project.. ..	4·77	(—) 3·46	0·99	0·46	(—) 2·01
10 Neyyar-Second Stage	18·46	28·42	20·72	(—) 0·21	48·93

Maximum potentials have been created in respect of all the schemes except Vidur and Neyyar Second Stage. Full utilisation of the irrigation potentials created will be achieved in respect of these schemes before the end of the Third Five-Year Plan.

3. New Schemes.

1. *Improvements to Palar Anicut and Channels.*

	(RS. IN LAKHS.)
Third Plan Provision	48·10
Acuals for 1961–62	5·34
Revised Estimate for 1962–63	16·32
Budget Estimate for 1963–64	17·65
Total for three years ...	39·31

Four channels taking off from the Palar Anicut feed 317 tanks having a total ayacut of 81,000 acres. There is at present an average gap in the ayacut of about 10,400 acres. It is proposed to improve the existing anicut and channels and bridge a gap of 3,285 acres. The scheme has been sanctioned for execution and it is in progress. In 1963–64 the scheme will be in good progress and improvements to several tanks under the anicut will be made and linking of the main channels will be taken up.

2. *Sathanur Project II Stage.*

	(RS. IN LAKHS.)
Third Plan Provision	55·00
Actuals for 1961–62	5·11
Revised Estimate for 1962–63	20·44
Budget Estimate for 1963–64	8·45
Total for three years ...	34·00

This scheme envisages increasing the capacity of the Sathanur Reservoir from 4,680 m.c.ft. to 8,100 m.c.ft. by installing crest gates over the spillway of the dam. This additional storage will be utilised for stabilising supplies to about 5,000 acres of second crop in Tirukoilur Anicut system. This scheme is in progress.

4. Other New Schemes.

	(RS. IN LAKHS.)
Five-Year Provision	379·27
Actuals in 1961–62	...
Revised Estimate for 1962–63	0·003
Budget Estimate for 1963–64	5·00
Total for three years ...	5·003

1 Gomukhinadhi Scheme.
2 Manjalar Project.
3 Ramanadhi Scheme.
4 Chittar Pattanamkal Scheme.
5 Modernising Vaigai Channel.
6 Gatana Reservoir Project and
7 Manimukthanadhi Scheme.

The five-year provision is Rs. 379·27 lakhs. Schemes mentioned in items 1 and 2 have been sanctioned for execution during 1962–63. The details of these two schemes are given below :

The Gomukhinadhi Reservoir Project comprises a reservoir of 560 m.c.ft. capacity across the Gomukhi river, a tributary of Vellar and taking a canal, 6 miles long, to irrigate 5,000 acres in Kallakurichi taluk of South Arcot district. The cost of the project is Rs. 87 lakhs.

Under the Manjalar Scheme a reservoir of 386 m.c.ft. capacity will be built across Manjalar, a tributary of the Vaigai river. A new canal $4\frac{1}{2}$ miles long will be excavated from the right flank of the dam to irrigate 1,200 acres. In addition, a gap of 113 acres of existing irrigation under anicuts lower down will be bridged.

During 1963–64, the execution of two projects will be in full swing. After establishing camps, approach roads, etc., excavation of foundation for the dam and masonry work in the deep bed of river will be commenced. Work on the canal will also be in progress simultaneously.

The remaining schemes will be taken up as soon as possible. A lump sum provision of Rs. 5 lakhs has been made in the budget for all the seven schemes mentioned above.

Power Projects.

	(RS. IN LAKHS.)
Third Plan Provision	10,019·00
Actuals for 1961–62	1,820·27
Revised Estimate for 1962–63	1,933·66
Budget Estimate for 1963–64 ...	2,075·25
Total for three years ...	5,829·18

XIII. POWER PROJECTS

By the end of Second Five-Year Plan, the installed capacity of the Madras Power Gri l was 571,700 K.W. This will be increased to 1,131,700 K.W. with the completion of the Third Plan schemes as detailed below :—

	K.W.
Kundah Hydro-Electric Scheme III Stage extension	245,000
Mettur Tunnel Hydro-Electric Scheme	100,000
Periyar II Stage Extension	35,000
Parambikulam Hydro-Electric Scheme	180,000
Total additional installed Capacity during Third Plan ...	560,000
Installed Capacity as at the end of Second Plan period ...	571,700
Total installed Capacity as at the end of Third Plan ...	1,131,700

In addition, with the completion of the Neyveli Lignite Project, Power to the extent of 181,000 K.W. will be made available to the Madras Power Grid from Neyveli.

At the end of the Second Plan period, there were 37,216 miles of transmission and distribution lines. About 8,000 miles of high tension lines and 12,000 miles of low tension lines will be erected during the Third Plan period.

An important feature of the transmission scheme during the Third Plan period is the formation of the 230 K.W. grid which will facilitate effective utilisation of power within the State and inter-change of power with the neighbouring States.

It is programmed to electrify 8,000 villages during the Third Plan period at the rate of 1,600 per annum.

More than 117,000 agricultural pumpsets were working on electricity at the end of the Second Plan period and it is targetted to connect up an additional 75,000 pumpsets in the Third Plan period.

PROGRESS OF WORKS DURING 1961–62 to 1962–63 AND PROGRAMME FOR 1963–64 CONTINUING SCHEMES.

1. *Periyar Hydro-Electric Scheme I Stage.*

	(RS. IN LAKHS)
Third Plan Provision	12·00
Actuals for 1961–62	6·78
Revised Estimate for 1962–63	(–) 1·31
Budget Estimate for 1963–64	0·41
Total for three years ...	5·88

All the works connected with this scheme were completed during the Second Plan period and the power station with an installed capacity of 105,000 K.W. is in operation.

The minus provision in 1962–63 is mainly due to credit towards part cost of Vaigai Dam to be raised by Public Works Department (Irrigation Branch).

During 1963–64, the balance of works at Forebay Dam, Quarters, etc., will be taken up for execution.

2. Kundah I and II Stages.

	(RS. IN LAKHS)
Third Plan Provision	277.00
Actuals for 1961–62	55·78
Revised Estimate for 1962–63	73·15
Budget Estimate for 1963–64	134·49
Total for three years ...	263·42

The two power stations included in the scheme with an installed capacity of 180,000 K.W. were completed during the Second Plan period. Building of the Upper Bhavani Dam and the construction of the tunnel, which will convey the water stored here to the Avalanche-Emerald Reservoir are the balance works under this scheme.

About 7,465 feet of mining out of a total of 14,627 feet of tunnel and 43,117 units of masonry at Upper Bhavani Dam have been completed up to the end of November 1962. By the end of 1962–63, the balance portion of mining and another 17,000 units of masonry will be completed.

During 1963–64, the Upper Bhavani Dam will be in an advanced stage of progress and water will be impounded in the Dam. The lining of the bad reaches of the tunnel which will convey the water stored in the Upper Bhavani Dam to the Avalanche-Emerald Dam, will be completed by the end of the year.

3. *Sandynallah Reservoir Scheme.*

	(RS. IN LAKHS)
Third Plan Provision	30·00
Actuals for 1961–62	24·50
Revised Estimate for 1962–63	42·12
Budget Estimate for 1963–64	(–) 8·66
Total for three years ...	57·96

The scheme envisages the construction of a dam across the Sandynallah river about 6 miles from Ootacamund and diversion of the water stored to the Pykara Basin by a flume-cum-tunnel which will enable additional generation of 54 million units at the existing Pykara and Moyar Power Stations. The flume channel, earth tunnel, and pumpwell works have all been completed. The erection of pumps is in progress. Masonry works in the dam will be completed during the year.

During 1963–64, the works on this scheme will be completed. The tools and plants of the project will be diverted to other Project Works and hence credit has been shown under this scheme in the budget.

NEW SCHEMES.

4. *Mettur Tunnel Scheme.*

	(RS. IN LAKHS)
Third Plan Provision	580·00
Actuals for 1961–62	118·06
Revised Estimate for 1962–63	202·91
Budget Estimate for 1963–64	379·00
Total for three years ...	699·97

This scheme is to utilise the irrigation discharge at Mettur Dam and envisages the construction of a pressure tunnel, about 1,350 feet long, penstock tunnels and a power station with the capacity of 200,000 K.W. in four units.

The generating machinery and other related equipments for two units were ordered on Messrs. Machino Export, Russia, under rupee payment. Most of these equipments will be delivered during the year.

About 1,141 feet of mining of the pressure tunnel, out of a total of 1,236 feet, has been completed up to end of November 1962. Mining of penstock tunnel and surge shaft have been practically completed. Excavation of power house has been completed and concreting is in progress. About 60 per cent of the pressure tunnel work will be completed before the end of the year.

During 1963–64, the erection of power house building for the Mettur Tunnel Power House will be completed. The erection of both the penstocks and generating units will be nearing completion.

5. *Kundah Hydro-Electric Scheme, III Stage Extensions.*

	(RS. IN LAKHS.)
Third Plan Provision	2,306·00
Actuals for 1961–62	301·50
Revised Estimate for 1963–64	519·41
Budget Estimate for 1963–64	556·41
Total for three years ...	1,377·32

The extension scheme comprises two masonry dams across the Pegumbahalla stream and Bhavani river, nine diversion weirs and storages at Varahapallam, Sillahalla, Porthimund, Parsons valley, Kateri, Niralappallam and Western catchments; 22 miles of tunnels, three-power houses, two pump houses and extensions to existing power houses I and II.

The scheme is getting Canadian aid under the Colombo Plan to the tune of 22 million dollars by way of machinery and equipment.

Excavation for foundations for the Porthimund Dam, Parsons Valley, Pegumbahallah (Forebay) Dam and Pillur Dam is in progress and will be continued.

The mining of main tunnel No. 3 and excavation for surge shafts for plants 3 and 5 are in progress. Excavation for plants 3, 4 and 5 will be completed by the end of the year, as also the penstock grading for plants 3 and 5.

The Thudiyalur-Erode 110 K.V. line will be completed during 1962–63.

During 1963–64, the penstocks and generating machinery for all the plants of Kundah III Stage extension will be received. Building of masonry at Pegumbahallah Forebay Dam and Pillur Dam will be continued and the dams built to a sufficient height to impound water for use in plants 3 and 4. Building of masonry for the Parsons valley and Porthimund Dam will be in progress as also the tunnel connecting these to the Avalanche-Emerald reservoir. Additional units at plants 1 and 2, the first unit in plant No. 3 and the single unit in plant No. 4 with a total installed capacity of 165 M.W. will be commissioned during the year. All the transmission lines envisaged under this scheme will be completed.

6. *Periyar Hydro-Electric Scheme, II Stage.*

	(RS. IN LAKHS.)
Third Plan Provision	94·00
Actuals for 1961–62	2·14
Revised Estimate for 1962–63	20·49
Budget Estimate for 1963–64	37·48
Total for three years ...	60·11

The Periyar Power Station with an installed capacity of 105 M.W. is in operation now. The second stage extension envisages the installation of one more unit of 35 M.W. capacity to bring the total installed capacity to 140 M.W. Orders for one more penstock and additional 35,000 K.W. set have been placed. The erection of additional structures in

the transformer yard has been completed. The connected civil works are in progress. During 1963–64, the fourth generating unit at Periyar Power House will be completed and commissioned.

7. *Anamalai Hydro-Electric Scheme, Parambikulam-Aliyar Project.*

	(RS. IN LAKHS.)
Third Plan Provision	500·00
Actuals for 1961–62	0·70
Revised Estimate for 1962–63	53·20
Budget Estimate for 1963–64	204·00
Total for three years ...	257·90

This is part of the Irrigation-*cum*-Hydro-Electric Project which proposed to utilise the waters of the seven rivers, viz., Nirar, Sholayar, Parambikulam, Thunakadavu, Peruvaripallam, Tekkadiar and Aliyar in the Anamalai Hills of Coimbatore district. The scheme envisages the construction of five power stations with a total installed capacity of 180,000 K.W. The Government of India have authorised the State Electricity Board to proceed with the works relating to two power stations, Sholayar I and Sarkarpathi with a total installed capacity of 100 M.W. generating plants, equipment and materials for all the transmission lines and sub-stations under the scheme have also been ordered.

Camps, buildings, roads, excavation for both the power stations and penstock grading for Sholayar Plant I are in progress. Survey of transmission line routes is in progress.

During 1963–64, the construction of power house buildings for Sarkarpathi and Sholayar I plants will be in progress as also the erection of penstocks for these plants. Manufacture of equipments will also be in progress. All the H.T. lines, 131 miles under the above project will be erected during the year.

8. *Transmission and distribution projects.*

	(RS. IN LAKHS.)
Third Plan Provision	3,000·00
Actuals for 1961–62	607·70
Revised Estimate for 1962–63	340·36
Budget Estimate for 1963–64	246·87
Total for three years ...	1,194·93

This scheme envisages the construction of extra-high tension and high tension lines and associated sub-stations necessary to transmit to the various load centres, the additional power which will become available. The scheme also provides for increase in transformer capacity at a number of existing sub-stations of the grid to cater to the additional load and for modernising the sub-stations with the latest type of protection equipment. The following were the achievements during 1961–62 and 1962–63 :—

	Achievement in 1961–62.	*Anticipated Achievement in 1962–1963.*
H. T. and E. H. T. lines	1,396 miles	1,688 miles
L. T. lines	3,291 miles	2,505 miles*
Agricultural pumpsets connected	22,000 Nos.	15,004 Nos.*

During 1962–63, 27 major transmission lines are programmed to be completed and during 1963–64 five major lines are programmed to be completed. One thousand miles of H.T. lines and 1,600 miles of L.T. lines are proposed to be erected during the year.

*Achievements up to end of November 1962.

9. Rural electrification.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	3,000·00
Actuals for 1961–62	... ...	671·18
Revised Estimate for 1962–63	... ...	650·00
Budget Estimate for 1963–64	... ...	500·00
	Total for three years ...	1,821·18

During the Third Plan period it is proposed to extend electricity to 8,000 additional villages and hamlets. During 1961–62, 1,878 villages and hamlets were electrified and it is anticipated that 1,800 villages will be electrified by the end of the year 1962–63. As on 1st December 1962, about 14,025 towns and villages and hamlets are having the benefit of electricity and 158,000 agricultural pumpsets are working on electricity. During 1963–64, it is proposed to extend electricity to 800 more villages and hamlets.

10. Investigation of new schemes.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	20·00
Actuals for 1961–62	... ...	4·91
Revised Estimate for 1962–63	... ...	8·33
Budget Estimate for 1963–64	... ...	10·25
	Total for three years ...	23·49

The power demand of the Madras Grid is continuously on the increase and it becomes necessary to tap new power resources to meet this growing demand. Investigation of the new Hydro sites is in progress. The investigation of the Kodayar Hydro-Electric Scheme in Kanyakumari district has been completed and scheme reports for Kodayar Hydro-Electric Generation Scheme with an installed capacity of 75,000 K.W. and at an estimated cost of Rs. 7·88 crores and Kodayar Transmission and Distribution Scheme at an estimated cost of Rs. 4·36 crores have been sent to Central Water and Power Commission/Planning Commission for approval.

A preliminary study on the Hoganekkal Hydro-Electric Scheme indicates that two power stations can be located in the course of the Cauvery river just above the Mettur Power Station with a total installed capacity of 800,000 K.W. at an estimated cost of about Rs. 58 crores. The detailed investigation of this scheme within this State is in progress.

During 1963–64, the detailed investigation of Hoganekkal and Kodayar Hydro-Electric Schemes will be in progress. Investigation of Pykara Scheme, ultimate stage, will be completed and that of Kedarihalla scheme taken up.

11. Loan to licensees.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	200·00
Actuals for 1961–62	... ...	27·02
Revised Estimate for 1962–63	... ...	25·00
Budget Estimate for 1963–64	... ...	15·00
	Total for three years ...	67·02

The object of the scheme is to make funds available to private Electric Licensees to enable them to take up rural electrification schemes which generally fetch only a low return and at the same time involve heavy capital expenditure. In this State, there are at present seven private electric lincensees operating eight electrical undertakings. They are

not able to obtain necessary finance from other sources for the above purpose and so the public in the licensees' areas are at a disadvantage as compared to those in the areas served by the Madras State Electricity Board. So, in order to speed up rural electrification in licensees areas, loans are being advanced to the private licensees every year.

The loans granted during 1960–61 were used on works during the year 1961–62 and the loans of 1961–62 are being used on works during the year 1962–63. Disbursement out of the provision made in the Revised Estimate for 1962–63 is expected to be made before March, 1963. In addition, a loan of Rs. 15·00 lakhs is proposed to be granted during 1963–64.

Industries and Mineral Development.

	(RS. IN LAKHS.)
Third Plan Provision	2351 00
Actuals for 1961–62	279·949
Revised Estimate for 1962–63	436·907
Budget Estimate for 1963–64	396·097
Total for three **years** ...	1, 112·953

XIV. INDUSTRIES AND MINERAL DEVELOPMENT

1. LARGE AND MEDIUM INDUSTRIES

(1) *Pilot-Iron and Steel Plant.*

	(RS. IN LAKHS.)
Third Plan Provision	75·00
Actuals for **1961–62**	8·61
Revised Estimated for 1962–63	14·32
Budget Estimate for 1963–64	1·70
Total for three years ...	24 63

The large scale tests conducted on the production of iron and steel with Neyveli Lignite and Salem Iron ore in East Germany and Norway have yielded successful results and have established the feasibility of the Project. On the basis of the promising results of these tests, the Government of India have decided to proceed with the preparation of the detailed Project Report for a half million ton Steel Plant based on Neyveli lignite and Salem Iron Ore. The preparation of detailed Project Report has been entrusted by them M/s M.N. Dastur and Company Private, Limited, Calcutta, a firm of Metallurgical Engineers with experience in Steel Plant design. M/s Dastur and Company are expected to submit the detailed Project Report to the Government of India in the latter part of the year 1963. The Madras Government are offering all the assistance required by the Consulting Engineers in carrying out their assignment and are conducted various surveys indicated by them for the collection of data.

(2) *Steel Re-Rolling Mill.*

	(RS. IN LAKHS.)
Third Plan Provision	100·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·001
Budget Estimate for 1963–64	0·001
Total for three years	0·002

The scheme envisages the establishment of a steel re-rolling mill in the public sector with a capacity of 20,000 tons per annum with a view to meeting a substantial portion of the requirements of Government schemes for rolled products which are in short supply in Madras State, as a result of which serious delay and dislocation of work is caused to development work undertaken by various departments of Government generally and the work of the Public Works and the Industries Departments in particular.

An application has been made to the Governemnt of India for the issue of necessary Industrial licence for the establishment of the mill. It may be located at Madras or Tuticorin. Further steps to set up the mill may be taken on receipt of the licence.

(3) *Expansion of State Geological Department.*

	(RS. IN LAKHS.)
Third Plan Provision	25·00
Actuals for 1962–63	0·15
Revised Estimate for 1962–63	2·29
Budget Estimate for 1963–64	2·50
Total for three years ...	4·94

This scheme envisages intensive exploration for economic minerals in the districts which have not been fully searched by the Geological Survey of India. Under this scheme, the following investigations were carried out during the periods from 1961-62 and 1962–63, respectively.

Investigations for exploration of minerals such as copper, limstone, bauxite, iron ore, china clay, etc., were conducted in the districts of South Arcot, North Arcot, Salem, Nilgiris, Tiruchirappalli, Madurai, Ramanathapuram, Coimbatore in the year 1961–62. Similar investigations have also been conducted in Chingleput, South Arcot, North Arcot, Salem, Tiruchirappalli, Madurai, Ramanathapuram, Tirunelveli and Kanyakumari districts in the year 1962–63.

The following items of field work have been tentatively proposed for the year 1963–64. Some of these are the further extensions of the work already undertaken :—

(1) Detailed prospecting for the pyrite and sulphur deposits in Thaniar Reserved Forest, North Arcot district.

(2) Detailed prospecting for white clays in the Arantangi-Adanakottai belt, Thanjavur district.

(3) Investigation of chromite deposits near Sithampundi, Salem district.

(4) Search for bauxite, limestone and other minerals in Palni hills and Kodaikkanal hills.

(5) Drilling for cement grade limestone in the Karur-Dindigul belt.

(6) Mineral investigations in Kanyakumari district.

(7) Detailed examinations, including pitting, for the clay deposits near Panruti for Ceramic Centre at Vridhachalam.

(8) Investigation of sulphide occurrence near Mohanur, Salem district.

(9) Investigation of the reported occurrence of coal near Kattavakkam, Kancheepuram.

(10) Detailed work for estimation of gypsum reserves by drilling in Perambalur and Lalgudi taluks, Tiruchirappalli district.

(11) Mineral survey in Javadi hills near Jalarpet, North Arcot district.

(12) Investigation for limestones, graphite and other minerals in Ramanathapuram district.

In addition to the above, further items of field work would be taken up as and when required.

2. HANDLOOMS.

	(RS. IN LAKHS.)
Third Plan Provision	800·00
Actuals for 1961–62	142·82
Revised Estimate for 1962–63	177·66
Budget Estimate for 1963–64	138·752
Total for three years ...	459·232

The Handloom industry is the most important cottage industry in Madras State and provides employment to about 20 lakhs of persons in the State. The Government have assigned a high place in the Five-Year Plans for the development of this industry.

With a view to improving the socio-economic condition of the handloom weavers in the State, 18 schemes have been proposed in the Third Five-Year Plan for implementation. During 1961–62, 14 schemes were undertaken for implementation at a cost of Rs. 142·82 lakhs. In 1962–63, besides continuing these schemes, three more schemes have been undertaken for implementation with the result the anticipated achievement is likely to exceed the Budget Provision by Rs. 19·90 lakhs. The programme for 1963–64 is to spend Rs. 138·75 lakhs for the development of handloom industry laying the emphasis mainly on schemes such as spinning mills, Industrial Weavers' Co-operative Societies, Research and Technique, etc., with a view to maximising the production of handloom cloth in the present context of National Emergency.

The schemewise details are furnished below :—

1. *Share Capital.*

(Admission of weavers into the Co-operative-fold)

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	5·00
Revised Estimate for 1962–63	10·00
Budget Estimate for 1963–64	5·00
Total for three years ...	20·00

The policy of the Government of India is to develop handloom industry through co-operative organisation. Handloom weavers are being enlisted as members of weavers' co-operative societies and for this purpose, they are given loans towards 75 per cent of the share value, the remaining 25 per cent to be met by the weavers themselves. The quantum of share capital assistance has been increased from Rs. 37·50 to Rs. 75 00 per weaver, the loan being repayable in four years. The achievement in 1961–62, anticipated achievements for 1962–63 and programme for 1963–64 are indicated below :—

Achievements in 1961-62.		Anticipated achievemen in 1962-63.		Programme for 1963-64.	
Physical.	Financial.	Physical.	Financial.	Physical.	Financial.
15,502 looms.	Rs. 5·00 lakhs.	14,000 looms.	Rs. 10·00 lakhs.	6,000 looms.	Rs. 5·00 lakhs.

The provision of Rs. 5·00 lakhs for 1963-64 will be utilised for enlisting new looms and strengthening the share capital of the existing weavers co-operative societies.

2. *Subsidy towards Interest on the Working Capital Loan.*

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	5·00
Budget Estimate for 1963–64	5·00
Total for three years ...	10·00

Loans for working capital are made available to weavers' co-operative societies by the Reserve Bank of India as well as by the Central Banks from their own resources at 5½ per cent interest of which 3 per cent is borne by the societies and the balance of 2½ per cent is borne by the Government by way of subsidy under the scheme. In the case of working capital loans sanctioned to the Apex weavers' co-operative society by the Reserve Bank of India, a subsidy of ½ per cent to meet the difference in the rate of interest is given to the Madras State Co-operative Bank through which the loans are routed.

3. *Research and Technique.*

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961-62	12·20
Revised Estimate for 1962–63	16·97
Budget Estimate for 1963–64	18·00
Total for three years ...	47·17

Under the scheme, loans and grants are given to the weavers for the purchase of appliances in order to improve the quality of the cloth and also to reduce the cost of production. Select weavers' co-operative societies are provided with necessary financial assistance for the establishment of dye-houses also. Stamping Inspectors are employed by the State Co-operative Society with a view to standardize the quality of cloth produced. The achievements in 1961–62, anticipated achievements for 1962–63 and the programme for 1963–64 are indicated below :—

Achievements in 1961-62.		Anticipated achievements in 1962-63.		Programme for 1963-64.	
Physical. (1)	Financial. (2)	Physical. (3)	Financial. (4)	Physical. (5)	Financial. (6)
Improved appliances 42,567. Dye houses 45. Godown 1 ..	Rs. 12·20 lakhs	Appliances 36,436. Dye houses 27.	Rs. 16·97 lakhs	Appliances 41,660. Dye houses 10.	Rs. 18·00 lakhs.

4. *Rebate.*

	(RS. IN LAKHS.)
Third Plan Provision	375·00
Actuals for 1961-62	70·67
Revised Estimate for 1962–63	55·00
Budget Estimate for 1963–64	50·00
Total for three years ...	175·67

With a view to give a fillip to the sale of handloom cloth, rebate on sales of handloom cloth to the consumers is allowed both on retail sales and on wholesale sales at 5 nP. and 3 nP. per rupee respectively. The system of rebate has attracted consumers to a large extent and has enabled the societies to record good sales of handloom cloth. Such a stimulus is necessary to market the handloom goods and cushion the difference in prices between the Mill Cloth and Handloom Cloth. During special occasions like All-India Handloom Week, Deepavali, etc., a special additional rebate of 6 nP. per rupee is sanctioned on retail sales for 15 days in a year. As the policy of the Government of India is not to continue the rebate as a permanent form of subsidy, but to progressively reduce it, the expenditure on rebate will be gradually on the decrease.

5. *Marketing and Publicity.*

	(RS. IN LAKHS.)
Third Plan provision	55·00
Actuals for 1961-62	9·07
Revised Estimate for 1962–63	5·29
Budget Estimate for 1963–64	7·00
Total for three years ...	21·36

The Madras State Handloom Weavers' Co-operative Society plays an important part in regard to marketing of handloom goods. It procures the goods from the primary weavers' co-operative societies and arranges for their sale through the net-work of depots and emporia maintained by it. Mobile vans are also maintained by the State Society to promote sale of goods in interior parts of the State. The Apex society and the weavers' societies participate in exhibitions and undertake effective publicity and propaganda for handloom goods through advertisement in dailies, display of neon signs, posters, distribution of diaries, calendars, etc. The achievements in 1961–62, anticipated achievements for 1962–63 and programme for 1963–64 are given below :—

Achievements in 1961-62.		Anticipated achievement in 1962–63.		Programme for 1963–64.	
Physical.	Financial.	Physical.	Financial.	Physical.	Financial.
(1)	(2)	(3)	(4)	(5)	(6)
Interstate depot 1. Silk depot 1. Ready-made garments factory.	Rs. 9·07 lakhs.	Inter-state depot 2. Silk depot 1.	Rs. 5·29 lakhs.	Inter-state depot 5. Silk depot 1.	Rs. 7 00 lakhs.

6. *Spinning Mills.*

	(RS. IN LAKHS.)
Third Plan provision	50·00
Actuals for 1961–62	10·00
Revised Estimate for 1962–63	30·00
Budget Estimate for 1963–64	30·00
Total for three years ...	70·00

With a view to ensuring steady supply of yarn of good quality at fair prices to handloom industry, Government are encouraging the establishment of co-operative spinning mills. They are also participating in the share capital structure of these mills. During the Second plan period, Government have invested funds to the extent of Rs. 38·78 lakhs towards share capital of three spinning mills at Pettai, Nazareth, and Srivilliputhur in the State. In 1961–62, Government have invested Rs. 10·00 lakhs in the share capital structure of the Salem Co-operative Spinning Mills. For 1962–63, out of Rs. 30·00 lakhs in the Revised Estimate, Rs. 20 lakhs are proposed to be invested in the two spinning mills at Kancheepuram and Madurai at Rs. 10·00 lakhs each. Similarly the Government have approved proposals for the establishment of six new spinning mills, one each in the district of North Arcot, South Arcot, Coimbatore, Thanjavur, Tiruchirappalli and Kanyakumari in the course of the plan period. A provision of Rs. 30·00 lakhs has been made for 1963–64 for invesment in any three of these six mills according to the progress of collection of share capital made by them.

7. *Industrial weavers' Co-operative Societies and Weaving sheds.*

	(RS. IN LAKHS.)
Third Plan Provision ...	2·50
Actuals for 1961–62 ...	3·56
Revised estimate for 1962–63 ...	9·13
Budget Estimate for 1963–64 ...	6·00
Total for three years ...	18·69

Industrial Weavers' Co-operative Societies are organized for giving work to the weavers who have no looms of their own and who have been thrown out of employment from factories. These Co-operative Societies are given assistance for purchase of looms and accessories and towards share capital, working capital, construction of building and for appointing necessary staff. There were 13 Industrial Weavers Co-operative Societies in this State as on 31st March 1961. During 1961–62, one Industrial Weavers Co-operative Society was registered and in the current year six Industrial societies would be registered. The programme for 1963–64 is to start seven new industrial weavers co-operative societies.

8. *Housing.*

	(RS. IN LAKHS.)
Third Plan Provision ...	100·00
Actual for 1961–62 ...	25·08
Revised Estimate for 1962–63 ...	23·26
Budget Estimate for 1963–64 ...	7·00
Total for three years ...	55·34

The scheme is intended to improve the living conditions of weavers by providing them with house-*cum*-work spots. Financial assistance in the shape of 75 per cent loan and 25 per cent grant subject to a ceiling of Rs. 5,000 per house is given to the Weavers Co-operative Societies for the construction of houses for their members. Loans are also given to the societies for the provision of common amenities in the housing colonies.—

Achievements in 1961–62.		Anticipated achievements in 1962–63		Programme for 1963–64.	
Physical.	Financial.	Physical.	Financial.	Physical.	Financial.
(1)	(2)	(3)	(4)	(5)	(6)
486 houses	Rs. 25·08 lakhs	500 houses	Rs. 23·26 lakhs	(No new housing schemes)	Rs. 7·00 lakhs

9. *Contributory Thrift Fund (Provident Fund).*

	(RS. IN LAKHS.)
Third Plan Provision	2·50
Actuals for 1961–62	...
Revised Estimate for 1962–63	1·13
Budget Estimate for 1963–64	2·26
Total for three years ...	3·39

This is a new scheme included in the Third Five-Year Plan for the benefit of weavers in the Co-operative-fold. At present, for every rupee of wages earned by a member of weavers co-operative society, 6 nP. are being deducted towards Thrift Fund. Government have decided to contribute 4 nP. per rupee and the society would give a contribution of 2 nP. per rupee. Thus, the matching contribution would be 6 nP. per rupee. This scheme has been sanctioned as a pilot scheme for the current year to be in force from 1st July 1962. Under this scheme, the weavers will be able to take repayable advances from the Contributory Thrift Fund in times of distress or during emergency caused by sickness, disability or death. Financial assistance will be available for useful or socially necessary purposes such as house-building, marriage, etc. 5,365 weavers in 101 weavers co-operative societies will be initially benefited by this scheme.

10. *Silk and Art Silk Industry.*

	(RS. IN LAKHS.)
Third Plan Provision	15·00
Actuals for 1961–62	1·87
Revised Estimate for 1962–63	2·50
Budget Estimate for 1963–64	2·50
Total for three years ...	6·87

Silk and art silk handloom weavers are also enabled to reap the full benefits of their toil by the organization of separate co-operatives exclusively for them. Two silk weavers co-operative societies are given financial assistance towards share capital, working capital, purchase of improved appliances, furniture and payment of rent. Art silk co-operatives also are provided with assistance towards share capital and for purchase of improved appliances. The achievements in 1961–62, anticipated achievements for 1962–63 and the programme for 1963–64 are shown below—

Achievements in 1961–62.		Anticipated achievements in 1962–63.		Programme for 1963–64.	
Physical.	Financial.	Physical.	Financial.	Physical.	Financial.
Silk looms 200 Art silk looms 100	Rs. 1.87 lakhs	Silk looms 300	Rs. 2.50 lakhs	Silk looms 250	Rs. 2.50 lakhs

11. *Training.*

	(RS. IN LAKHS)
Third Plan Provision	5·00
Actuals for 1961–62	0·29
Revised Estimate for 1962–63	0·98
Budget Estimate for 1963–64	0·84
Total for three years ...	2·11

In order to improve the technique and to produce uptodate designs of handloom cloth to suit the changing taste of the consuming public, members of Weavers Co-operative Societies are given training in weaving improved patterns of handloom cloth, in the Pattern Making Factories of the Madras State Handloom Weavers Co-operative Society for a period of three months. Training is given to the dyers also. The staff of the Weavers Co-operative Societies are trained in the maintenance of accounts, etc. The achievements in 1961–62, anticipated achievements for 1962–63 and the programme for 1963–64 are indicated below :

Achievements in 1961-62.		Anticipated achievements in 1962-63.		Programme for 1963-64.	
Physical	Financial	Physical	Financial	Physical	Financial
Weavers 128 Dyers 7 Staff 99	Rs. 0.29 lakhs	Weavers 208 Dyers 10 Staff 83	Rs. 0.98 lakhs	Weavers 200 Dyers 10 Staff 100	Rs. 0.84 lakhs

12. *Subsidy for managerial staff.*

	(RS. IN LAKHS)
Third Plan Provision	5·00
Actuals for 1961–62	0·51
Revised Estimate for 1962–63	1·50
Budget Estimate for 1963–64	1·30
Total for three years ...	3·31

Under this scheme, assistance is given to financially weak Weavers Co-operative Societies in the shape of subsidy towards the cost of managerial staff at a rate not exceeding Rs. 1,000 per society. During 1961–62, 99 weavers co-operative societies were benefited under the scheme. During the current year, about 150 weavers co-operative societies will take advantage of the scheme. The programme for 1963–64 is to spend Rs. 1·30 lakhs towards disbursement of subsidy to about 130 weak Weavers Co-operative Societies.

13. *Share Capital of Apex Society.*

	(RS. IN LAKHS)
Third Plan Provision	5·00
Actuals for 1961–62	..
Revised Estimate for 1962–63	2·00
Budget Estimate for 1963–64	..
Total for three years ...	2·00

Government will participate in the share capital structure of the Apex Society so as to ensure that it gets sufficient borrowing power to borrow funds to meet the growing needs during the third plan. During 1962–63, Government have invested Rs. 2 lakhs in the share capital of the Madras State Handloom Weavers' Co-operative Society.

14. *Organisational expenses.*

	(RS. IN LAKHS)
Third Plan Provision	50·00
Actuals for 1961–62	4·06
Revised Estimate for 1962–63	3·10
Budget Estimate for 1963–64	2·35
Total for three years ...	9·51

Under the scheme, the cost of staff employed in connection with the implementation of the various handloom development schemes is met.

15. *Loans to relieve indebtedness of weavers.*

	(RS. IN LAKHS)
Third Plan Provision	2·50
Actuals for 1961–62	0·50
Revised Estimate for 1962–63	1·50
Budget Estimate for 1963–64	1·50
Total for three years ...	3·50

Under this scheme, loans are given to the weavers at a rate not exceeding Rs. 150 per weaver to enable them to discharge their indebtedness to the master weavers. The achievements in 1961–62, anticipated achievements in 1962–63 and the programme for 1963–64 are given below :—

Achievments in 1961-62		Anticipated achievement in 1962-63		Programme for 1963-64	
Physical	Financial	Physical	Financial	Physical	Financial
426 weavers	Rs. 0·50 lakhs	1,000 weavers	Rs. 1·50 lakhs	1,000 weavers	Rs. 1·50 lakhs

16. *Handloom Finance Corporation.*

	(RS. IN LAKHS)
Third Plan Provision	5·00
Actuals for 1961–62	..
Revised Estimate for 1963–64	10·00
Budget Estimate for 1963–64	0·001
Total for three years ...	10·001

A Finance Corporation in the form of a Public Company with limited liability has been proposed to be set up during the Third Plan period for the benefit of the handloom weavers outside the co-operative-fold. It has been decided to subscribe Rs. 10 lakhs to the share capital of the proposed Corporation.

17. *Small Scale Spinning Units.*

	(RS. IN LAKHS)
Third Plan Provision	7·50
Actuals for 1961–62	0·01
Revised Estimate for 1962–63	0·30
Budget Estimate for 1963–64	0·001
Total for three years ...	0·311

With the two-fold objects of providing employment to more number of weavers and reducing the cost of yarn and thereby enabling the weavers to get more wages, it was proposed to instal 240 small scale spinning units, during the Third Five-Year Plan period. A pilot scheme outside the plan was in operation from 1956 to 1962 to test the potentiality of the 32 spindle spinning unit. On conclusion of the tests, the pilot scheme has been wound-up. In the current year (1962–63), a composite spinning-*cum*-weaving industrial weavers co-operative society utilising 20 Nos. of 32 spindles has been set up, at a cost of Rs. 1·53 lakhs. The Handloom Board has proposed that a detailed survey of the technical and economical aspects of the scheme should be conducted before including it in the plan.

3. Small Scale Indusiries.

	(RS. IN LAKHS.)
Third Plan Provision	800·00
Actuals for 1961–62	94·72
Revised Estimate for 1962–63	137·506
Budget Estimate for 1963–64	184·402
Total for three years ...	416·628

The details of various schemes included under Small Scale Industries are detailed below :—

(a) *Spillover Schemes under Third Plan.*

(1) Wood Seasoning Plant, Pollachi.

	(RS. IN LAKHS.)
Third Plan Provision	2·00
Actuals for 1961–62	0·26
Revised Estimate for 1962–63	0·22
Budget Estimate for 1963–64	0·001
Total for three years ...	0·481

The scheme serves the needs of Small Scale Industrialists and other parties for sawn and seasoned wood as well as to undertake production of wooden articles by modern methods. The unit started functioning towards the close of the Second Plan period. Additional mechinery would be secured in the current year.

2. *Model Scientific Glass Apparatus Factory, Guindy.*

	(RS. IN LAKHS.)
Third Plan Provision	3·19
Actuals for 1961–62	1·46
Revised Estimate for 1962–63	0·48
Budget Estimate for 1963–64	2·00
Total for three years ...	3·94

This unit undertakes production of various types of glass apparatus by modern methods. It is proposed to locate the furnace in a separate building. Necessary plans are under finalisation.

3. *Quartz Crushing Plant, Salem.*

	(RS. IN LAKHS.)
Third Plan Provision	2·00
Actuals for 1961–62	0·15
Revised Estimate for 1962–63	0·60
Budget Estimate for 1963–64	0·20
Total for three years ...	0·95

The object of the scheme is to supply good quality of processed raw materials like crushed quartz at reasonable prices for the glass factories in the State. Certain defects in the machine received were noticed and they are being rectified. The unit will go into production after this is done.

4. *Manufacture of fractional H.P. Electric Motors.*

	(RS. IN LAKHS.)
Third Plan Provision	2·93
Actuals for 1961–62	0·05
Revised Estimate for 1962–63	...
Budget Estimate for 1963–64	0·002
Total for three years ...	0·052

This scheme is intended to meet the demand for fractional H.P. Electric Motors. A token provision has been made for the scheme in 1963–64.

5. *Cycle Assembly Unit, Thanjavur.*

	(RS. IN LAKHS.)
Third Plan Provision	0·59
Actuals for 1961–62	0·41
Revised Estimate for 1962–63	0·47
Budget Estimate for 1963–64	0·40
Total for three years ...	1·28

The scheme envisages the manufacture and assembly of cycle components. Buildings have been completed and trial production was started in 1961–62. A production to the value of Rs. 1·90 lakhs is anticipated during 1962–63. The production in 1963–64 is likely to be Rs. 4·50 lakhs.

6. *Salt Glazed Pipe Factory, Vridhachalam.*

	(RS. IN LAKHS.)
Third Plan Provision	1·00
Actuals for 1961–62	0·99
Revised Estimate for 1962-63	0·65
Budget Estimate for 1963-64	2·05
Total for three years ...	3·69

The scheme was proposed for manufacturing salt glazed pipes. The plants for the factory are under erection. The scheme is expected to go into production in 1963–64 after receipt of pole changing motor ordered from abroad.

7. *After-Care Homes at Madras and Vellore.*

	(RS. IN LAKHS.)
Third Plan Provision	3·00
Actuals for 1961–62	0·10
Revised Estimate for 1962–63	0·03
Budget Estimate for 1963–64	...
Total for three years ...	0·13

The scheme provides training for the inmates of the After-Care Homes at **Madras** and Vellore in Carpentry Hold-all and Garment Making. In 1961–62, 81 inmates underwent training and 100 persons are expected to be trained during 1962–63. The After-Care Home, Madras has been transferred to the Jail Department from October 1962.

8. *Tool Room Shop at Pettai, Tiruchirappalli and Virudhunagar.*

	(RS. IN LAKHS.)
Third Plan Provision	3·50
Actuals for 1961–62	3·16
Revised Estimate for 1962–63	1·35
Budget Estimate for 1963–64	0·80
Total for three years ...	5·31

Tool room shops were sanctioned during the Second Plan period for providing tool room facilities to the Industrialists in the Industrial Colonies at Pettai, Tiruchirappalli and Virudhunagar. Production to the value of Rs. 8·00 lakhs is anticipated in 1962–63 as against the production value of Rs. 1·28 lakhs in 1961–62. The target for 1963–64 is produced to the value of Rs. 9 lakhs.

9. *Staff Quarters at Structural Workshops and Galvanising Plant at Mettur Dam.*

	(RS. IN LAKHS.)
Third Plan Provision	3·10
Actuals for 1961–62	0·001
Revised Estimate for 1962–63	1·00
Budget Estimate for 1963–64	2·32
Total for three years ...	3·321

The scheme meets the difficulty of accommodation experienced by the staff employed in the Structural Workshop and Galvanising Plant, Mettur Dam. Steps have been taken to select the site for the Quarters. Construction work will be taken up, after the land is acquired.

10. *Refractories Factory at Vridhachalam and Expansion Scheme.*

	(RS. IN LAKHS.)
Third Plan Provision	2·60
Actuals for 1961–62	0·37
Revised Estimate for 1962–63	0·001
Budget Estimate for 1963–64	8·00
Total for three years ...	7·631

This scheme meets the increased demand for refractory materials in Ceramic and other Industries. This scheme which was originally proposed to be established at Sivaganga is now proposed to be established at Vridhachalam. This unit is expected to start production only during 1963–64.

(b) NEW SCHEMES.

District Survey

1. *Survey and Statistical Section.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	0·24
Revised Estimate for 1962–63	0·52
Budget Estimate for 1963–64	0·58
Total for three years ...	1·34

This scheme has been evolved to conduct detailed Industrial Surveys and collect necessary statistical particulars districtwise for the benefit of Industrialists and the scheme is under implementation.

Common Service Facilities.

2. *Forge and Heat Treatment Shop at Coimbatore and expansion scheme at Guindy.*

	(RS. IN LAKHS.)
Third Plan Provision	17·00
Actuals for 1961–62	0·56
Revised Estimate for 1962–63	2·77
Budget Estimate for 1963–64	7·72
Total for three years ...	11·05

To provide Forge and Heat Treatment operation for Industrialists, schemes for expansion of the Unit at Guindy and a new Unit at Coimbatore have been sanctioned. Buildings are in progress. Machines are being received in stages.

3. *Expansion of Precision Instrument Shop, Guindy.*

	(RS. IN LAKHS.)
Third Plan Provision	8·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·61
Budget Estimate for 1963–64	1·34
Total for three years ...	1·95

The expansion of the activities of precision instrument shop (Finishing shop) established during the Second Plan period is envisaged under the scheme. Steps have been taken to procure machinery and construct buildings. Production to the value of Rs. 1·00 lakh is expected in the Unit in 1962–63 and Rs. 1·20 lakhs in 1963·64.

4. *Common Lease Shop at Madurai, Coimbatore, Tiruchirappalli and Pettai and Expansion Scheme at Guindy.*

	(RS. IN LAKHS.)
Third Plan Provision	30·00
Actuals for 1961–62	3·08
Revised Estimate for 1962–63	12·27
Budget Estimate for 1963–64	10·14
Total for three years ...	25·49

The object of the above schemes is to lease the use of machines at reasonable hire charges to the Industrialists in the Industrial Estates and Colonies, who cannot afford to purchase such machines at heavy cost. The details of the schemes under this are given below :—

(i) *Expansion Scheme at Guindy.*—The expenditure under the scheme represents the cost of machinery purchased for the lease shop at Guindy. Nearly 250 persons are expected to be benefited during 1962–63 by the service to be rendered by the unit.

(ii) *Common lease shops at Madurai and Coimbatore.*—The construction work is in progress. Machinery are being procured. The schemes are expected to commence operation only during 1963–64.

(iii) *Common lease shops at Tiruchirappalli and Pettai.*—Machines are being procured. Construction work is in progress.

5. Saw Mill and Wood Working Unit, Kargudi.

	(RS. IN LAKHS.)
Third Plan Provision	6·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·005
Budget Estimate for 1963–64	0·29
Total for three years ...	0·295

The scheme is to cut logs to proper sizes and supply them in semi-finished condition to consumers and also to undertake production of wood-working items to the extent possible. The availability of site for locating the unit is under consideration.

6. Saw Mill section in Government Carpentry and Blacksmithy workshop at Pettai.

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	0·123
Revised Estimate for 1962–63	0·41
Budget Estimate for 1963–64	1·51
Total for three years ...	2·043

For the utilisation of Timber Logs the Government have sanctioned the establishment of a saw mill section in the Government Carpentry and Blacksmithy workshop at Pettai. The feasibility of integrating the saw mill sections at Pollachi and Pettai is under examination by Government. Action will be taken, after a final decision is taken in this regard.

7. Expansion of service centre for Pressed Metal Products, Madras.

	(RS. IN LAKHS.)
Actuals for 1961–62	1·91
Actuals for 1961–62	1·91
Revised Estimate for 1962–63	0·35
Budget Estimate for 1963–64	1·43
Total for three years ...	3·69

This scheme is to expand the activities of the service centre started in the Second Plan period. A production to the value of Rs. 3·00 lakhs is expected during 1962–63 and Rs. 3.50 lakhs during the year 1963–64.

8. *Expansion of Leather Finishing Unit, Ambur.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	0·55
Revised Estimate for 1962–63	5·73
Budget Estimate for 1963–64	7·69
Total for three years ...	13·97

The scheme is to expand the activities of the unit which was established during the Second Plan period. Production to the value of Rs. 3·50 lakhs is expected in 1962-63 as against a production of Rs. 1·82 lakhs achieved in 1961–62. The target for 1963–64 is production to the value of Rs. 4 lakhs.

9. *Tool rooms in estates (Katpadi, Salem, Coimbatore, Madurai and Thanjavur and expansion of tool rooms, Erode and Guindy.)*

	(RS. IN LAKHS.)
Third Plan Provision	61·00
Actuals for 1961–62	4·03
Revised Estimate for 1962–63	11·90
Budget Estimate for 1963–64	13·25
Total for three years ...	29·18

Construction of building for the tool room shop at Guindy is expected to complete shortly. Machinery are being procured in 1962–63, for the tool room shop at Guindy, Erode, Madurai, Coimbatore, Salem and Katpadi. Provision has been made for setting up a tool room shop at Ambathur in 1963–64.

10. *Expansion of the service centre for farm implements at Tiruchirappalli.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962-63	0·05
Budget Estimate for 1963-64	0·73
Total for three years ...	0·78

To meet the increased demand for agricultural implements in the State, expansion of Service Centre for Farm implements, Tiruchirappalli has been sanctioned. Construction work is being started. Machines are also being ordered.

11. *Expansion of Service Centre, Brassware and Cutlery, Kumbakonam.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	1·37
Budget Estimate for 1963–64	2·12
Total for three years ...	3·49

To manufacture dusters and sprayers required by the Agriculture Department, Government have sanctioned the expansion of service centre for Brassware and Cutlery Industry. Steps are being taken to acquire the additional land required for the expansion scheme. Action is also being pursued to purchase of the machinery required.

12. *Establishment of Common Facilities Centre for Industrial Estate for leather goods at Madhavaram.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·05
Budget Estimate for 1963–64	2·66
Total for three years ...	2·71

In order to provide service facilities to the Industrialists in the Industrial Estate for Leather goods to be established at Madhavaram, a common facility centre has been sanctioned. The preliminary action is in progress in regard to the implementation of the scheme.

13. *General Purpose Engineering Workshops at Karur, Namakkal, Tiruppur, Nagercoil and Villupuram.*

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	2·49
Revised Estimate for 1962–63	12·37
Budget Estimate for 1963–64	16·07
Total for three years ...	30·93

The scheme provides service facilities to rural artisans and serves as demonstration centres. Land has been taken possession of at Nagercoil, Tiruppur, Namakkal and Karur. Acquisition work is in progress in respect of Villupuram, Kodaikanal and Mayavaram. The workshops are expected to commence only during 1963–64. Another workshop will be started at Rajapalayam in that year.

14. *Expansion of Model Foundry, Guindy.*

	(RS. IN LAKHS.)
Third Plan Provision	10.00
Actuals for 1961–62	0.11
Revised Estimate for 1962–63	3·58
Budget Estimate for 1963–64	6·40
Total for three years ...	10·09

The scheme is to expand the activities of the Model Foundry, Guindy, so as to provide more service facilities to industrialists. The turn-over which was Rs. 2·08 lakhs in 1961–62 is expected to be stepped up to Rs. 3·00 lakhs in 1962–63 and to Rs. 4 lakhs in 1963–64.

15. *Model foundries at Pettai, Katpadi and Thanjavur.*

	(RS. IN LAKHS.)
Third Plan Provision	4·50
Actuals for 1961–62	1.27
Revised Estimate for 1962–63	3.79
Budget Estimate for 1963–64	2.47
Total for three years ...	7·53

The scheme is to manufacture and supply quality castings to Government and private units and to encourage the private units in adopting modern methods of manufacture. Construction works are in progress in all the three places. Machines required have also been ordered. The scheme will commence during 1963-64.

16. *Structural Workshop at Madras.*

	(RS. IN LAKHS.)
Third Plan Provision	24.00
Actuals for 1961–62	0·04
Revised Estimate for 1962–63	7.32
Budget Estimate for 1963–64	10.06
Total for three years ...	17·42

The scheme is intended to meet the increased demand for structurals. Tender for construction work is under finalisation. Machines required have been ordered and are being received in stages.

17. *Expansion of Ceramic Factory, Vridhachalam.*

	(RS. IN LAKHS.)
Third Plan Provision	25.00
Actuals for 1961–62	0.24
Revised Estimate for 1962–63	3·25
Budget Estimate for 1963–64	7.31
Total for threeyears ...	10·80

The scheme is to increase the activities of already existing factory started during the Second Plan. The production at the unit which was Rs. 3·63 lakhs in 1961–62 is expected to be stepped up to Rs. 5·00 lakhs in 1962–63 and Rs. 5·50 lakhs in 1963–64.

18. *Departmental Unit at Neyveli for the manufacture of Active Carbon.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	...
Budget Estimate for 1963–64	0·002

To cope up with the increasing demand and to reduce foreign exchange in the import of this commodity, it is proposed to set up a unit for the production of Active carbon in the Neyveli Salem belt. The scheme will be taken in 1963-64.

19. *Die and Tool Designing Section, Guindy.*

	(RS. IN LAKHS.)
Third Plan Provision	7.50
Actuals for 1961–62	0.15
Revised Estimate for 1962–63	0·75
Budget Estimate for 1963–64	2.00
Total for three years ...	2·90

The scheme provides service facilities to industrialists in die and tool designing so as to enable them to adopt modern methods of production. The Unit is only a servicing centre and technical assistance in die and tool design alone is being rendered to the parties both in the public and private sectors. More than 300 units will avail of the service facilities during each of the years 1962–63 and 1963–64.

20. *Technical Wing at Madras.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·10
Budget Estimate for 1963–64	1·00
Total for three years ...	1·10

Supply of Technical know-how and to ensure quality and economy in production, Government have sanctioned the establishment of a Technical wing in the Industries Department. Indian and Foreign experts will be employed under the Scheme. Preliminary action is being taken for the employment of Experts.

21. *Strengthening of State Directorate of Industries.*

	(RS. IN LAKHS.)
Third Plan Provision	35·00
Actuals for 1961–62	2·32
Revised Estimate for 1962–63	3·69
Budget Estimate for 1963–64	3·71
Total for three years ...	9·72

This is a staff scheme.

22. *Mechanical and Metallurgical Inspection and Testing Shop, Guindy.*

	(RS. IN LAKHS.)
Third Plan Provision	30·00
Actuals for 1961–62	0·20
Revised Estimate for 1962–63	7·95
Budget Estimate for 1963–64	8·16
Total for three years ...	16·31

The scheme is to provide increased testing facilities and it is expected to work in full swing during 1963–64.

23. *Technical Training Centre, Guindy.*

	(RS. IN LAKHS.)
Third Plan Provision	8·00
Actuals for 1961–62	0·19
Revised Estimate for 1962–63	2·42
Budget Estimate for 1963–64	6·52
Total for three years . .	9·13

This scheme was started to give intensive technical training to suitable candidates. Fifty-two candidates were trained in 1961–62 and 47 will be trained in 1962–63. The target for 1963–64 is to train 70 more candidates.

24. *Ceramic Training School, Vridhachalam.*

	(RS. IN LAKHS.)
Third Plan Provision	17·00
Actuals for 1961–62	0·15
Revised Estimate for 1962–63	0·78
Budget Estimate for 1963–64	2·14
Total for three years ...	3·07

The scheme was formulated to provide intensive training in ceramics. Steps are being taken to establish the school.

25. *Training Centre for Tool and Die Makers at Dindigul.*

	(RS. IN LAKHS.)
Third Plan Provision	14·00
Actuals for 1961–62	2·72
Revised Estimate for 1962–63	5·00
Budget Estimate for 1963–64	2·98
Total for three years ...	10·70

To provide advanced training to the die makers at Dindigul, the above scheme has been sanctioned and nine candidates are undergoing training in the current year and 30 candidates in 1963–64.

26. *Staff School at Guindy.*

	(RS. IN LAKHS.)
Third Plan Provision	8·00
Actuals for 1961–62	0·02
Revised Estimate for 1962–63	0·09
Budget Estimate for 1963–64	0·002
Total for three years ...	0·112

The scheme provides training facilities to the technical staff on the administrative side and to the administrative staff in the technical side. The scheme has been entrusted to the University for implementation. The first two batches of 85 persons have completed training and sixty candidates will be trained in 1963–64.

27. *Foreign Training to Departmental Officers.*

	(RS. IN LAKHS.)
Third Plan Provision	3·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·01
Budget Estimate for 1963–64	0·10
Total for three years ...	0·11

This scheme is intended to depute departmental officers abroad for acquiring specialised training in various industries. An officer has been sent to Switzerland for training in the design of pressure die casting.

28. Exhibition, Publicity and Propaganda.

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·75
Budget Estimate for 1963–64	0·75
Total for three years ...	**1·50**

This scheme was formulated to give wider publicity of the small scale industries products and it is being implemented from 1962–63.

29. Quality Marketing Scheme.

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·02
Budget Estimate for 1963–64	0·55
Total for three years ...	0·57

To prescribe standard specifications for common consumer goods and to make arrangements for quality marking of inspected goods a quality marking scheme has been sanctioned. The introduction will first be taken up in the following trades :—

1 Lock Industry,
2. Wooden furniture for use in offices and schools,
3. Leather footwear; and
4. Holdalls.

Preliminary action is in progress for the implementation of the scheme.

30. Raw Material Depots at Madurai and Coimbatore.

	(RS. IN LAKHS.)
Third Plan Provision	4·40
Actuals for 1961–62	0·75
Revised Estimate for 1962–63	3·80
Budget Estimate for 1963–64	6·48
Total for three years ...	11·03

The object of the scheme is to procure raw materials in bulk and to supply them to the departments and private units for ensuring steady flow of production. During 1961–62, preliminary work was attended to, lands were acquired and construction work was taken up at Madurai. In Coimbatore acquisition of land is in progress. Two lorries were purchased for the depots at Madurai and Coimbatore. During 1962–63, raw materials at a cost of Rs 3·80 lakhs would be purchased for the depots and about 120 units are expected to be benefited under the scheme in 1963–64.

31. Subsidy on Power.

	(RS. IN LAKHS.)
Third Plan Provision	4·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·50
Budget Estimate for 1963–64	1·00
Total for three years ...	1·50

The scheme is to subsidise the rate charged for power supply to small scale industrialists. The scheme is being implemented with effect from 1st April 1962. Though publicity has been given through news papers, the response from the Small Scale Industrialists to take advantage of the scheme has been inadequate so far.

32. Financial Assistance—Block Loans.

	(RS. IN LAKHS.)
Third Plan Provision	127·60
Actuals for 1961–62	34·07
Revised Estimate for 1962–63	25·00
Budget Estimate for 1963–64	25·00
Total for three years ...	84·07

The scheme envisages disbursement of loans to small scale industrialists in the private sector. In 1961–62 a sum of Rs. 34·07 lakhs has been disbursed. In 1962–63 and 1963–64 a total sum of Rs. 50·00 lakhs will be disbursed.

33. Industrial Co-operatives.

	(RS. IN LAKHS.)
Third Plan Provision	170.63
Actuals for 1961–62	32·51
Revised Estimate for 1962–63	15.50
Budget Estimate for 1963–64	13.66
Total for three years ...	61.67

The main schemes under this head are ' Co-operative Workshops and Industrial Co-operative Bank '. The scheme serves the needs of small industrialists by adopting methods of production.

For the year 1963–64 the following four new schemes are included for implementation under Industrial Co-operatives.

Serial Number and Name of scheme.	Provision made for 1963–64. (RS. IN LAKHS.)
1 Organisation of three Brick Workers' Industrial Co-operative Societies in the Tiruchirappalli Town and its neighbourhoods.	3·25
2 Expansion of Kannarpet Metal Workers' Co-operative Society	2·09
3 Training Section for Carpentry in the Tirunelveli District Co-operative Timber Works, Limited.	0·30
4 Establishment of a Tile Unit in the Rajapalayam Brick Workers' Co-operative Industrial Society, Limited.	1·10

1. *Three Brick Workers' Co-operative Societies.*—With a view to overcome the shortage of supply of bricks in Tiruchirappalli area and to meet the requirements of High Pressure Boiler Plant at Tiruchirappalli, it is proposed to organise three Brick Workers' Co-operative Societies in and around Tiruchirappalli Town. A loan to the extend of Rs. 3·00 lakhs will be given for the purchase of land, machines, etc., and also grants towards the cost of staff to be appointed for the purpose.

2. *Kannarpet Metal Workers' Co-operative Society.*—In the village at Kannarpet near Cuddalore, there are about 100 families of brass-smiths. Fifty-nine of them have joined and formed the Kannarpet Workers' Co-operative Cottage Industrial Society. Necessary assistance in the form of loans to the extent of Rs. 2·04 lakhs will be advanced for this society in 1963–64. The services of a Technical Supervisor will also be made available for the society.

3. *Tirunelveli District Co-operative Timber Works, Limited.*—It is proposed to start training section in the Tirunelveli District Co-operative Timber Works, Limited, in 1963–64 for training both sons and relatives of ex-servicemen and local civilians.

The period of training is for one year, during which 20 candidates will be trained and paid a stipend of Rs. 37 per mensem each. After the completion of the training, they will be examined and a certificate of proficiency will be issued to successful trainees.

4. *Establishment of a Tile Unit in the Rajapalayam Brick Workers' Co-operative Industrial Society, Limited.*—The scheme contemplates production of good quality Mangalore Pattern tiles to meet the growing demand for such tiles in and around Rajapalayam. The scheme is expected to provide employment to 60 persons. A provision of Rs. 1·10 lakh has been made in Budget Estimate for 1963–64.

Establishment of Basic Rural Service Centres.

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	...
Budget Estimate for 1963–64	2·80
Total for three years ...	2·80

It is proposed to establish Rural Service Centres with a view to introduce power operated machines in villages. Initially sanction has been accorded for the Establishment of 5 Rural Basic Service Centres. Preliminary steps are in progress for their implementation.

4. INDUSTRIAL ESTATES.

	(RS. IN LAKHS.)
Third Plan Provision	320·00
Actuals for 1961–62	27·06
Revised Estimate for 1962–63	125.04
Budget Estimate for 1963–64	100·62
Total for three years ...	252.72

During the Second Five-Year Plan period sanction was accorded for the establishment of 10 Industrial Estates out of which nine Estates were established in Guindy, Madurai, Tiruchirappalli, Pettai, Virudhunagar, Erode, Marthandam, Katpadi and Thanjavur. The Industrial Colony at Salem will be established during the Third Plan period. Establishment of these Industrial Estates has given a filip to the development of small scale industries in this State. These Estates besides generating industrial activities, are providing employment to a number of people. The Government have sanctioned the establishment of 10 more Industrial Estates at Theni, Vridhachalam, Pudukkottai, Karaikudi, Arkonam, Koilpatti, Krishnagiri, Dindigul, Ambathur and Perambur in 1961–62. Besides, worksheds for small artisans in Tiruchirappalli and Tirunelveli districts and at Walltax Road, Madras and also developed plots at Ambathur for large and medium scale industries have also been sanctioned. These schemes are being implemented and almost all the Estates are expected to commence functioning by the end of 1963.

(A) *Continuing Scheme.*

	(RS. IN LAKHS.)
Third Plan Provision	20.00
Actuals for 1961–62	26·75
Revised Estimate for 1962–63	4·28
Budget Estimate for 1963–64	6·00
Total for three years ...	37·03

The spillover works in the Industrial Estates established in the Second Plan period are being completed.

(B) *New Scheme.*

(1) *Workshops and Developed Plots.*

	(RS. IN LAKHS.)
Third Plan Provision	243.00
Actuals for 1961–62	0·31
Revised Estimate for 1962–63	94·43
Budget Estimate for 1963–64	66.20
Total for three years ...	160.94

Construction of buildings in the case of the Industrial Estates at Theni, Virudhachalam, Dindigul and Ambathur is in progress. Necessary action for pushing through construction work in respect of Industrial Estates at Pudukkottai, Arkonam, Krishnagiri, Karaikudi, Kovilpatti and Guindy is being taken up. It is also proposed to establish Industrial Estates at Kumbakonam, Sivaganga and Nagercoil in the year 1963–64 for which a provision of Rs. 2·00 lakhs is made for the year 1963–64.

(2) *Expansion of Industrial Colonies at Madurai and Erode.*

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	2·00
Budget Estimate for 1963–64	3·00
Total for three years ...	5·00

This scheme was sanctioned in December 1961. Eight factory units would be constructed during 1962–63.

(3) *Two Cycle Assembly Units in Tuticorin and Krishnagiri.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	...
Budget Estimate for 1963–64	1·30

At present there are two departmental cycle assembly units in the State one at Vellore and other at Thanjavur. Both the units are working satisfactorily. The Units are assembling bi-cycles by purchasing the component parts from outside. For 1963–64 it is proposed to establish two more cycle assembly units at Tuticorin and Krishnagiri. For which a provision of Rs. 1·30 lakhs is made in the Budget Estimate for 1963–64.

(4) *Co-operative Estates.*

During the Third Five-Year Plan, a sum of Rs. 108 lakhs has been provided for Industrial Estates to be established by private corporations and by co-operative societies. No expenditure was incurred during 1961–62 as the preliminary works was attended to. During the year 1962–63 a sum of Rs. 26 lakhs has been earmarked for disbursement as loan to the following Industrial estates.

	(RS. IN LAKHS.)
Tuticorin Co-operative Industrial Estate	2
Sivakasi Co-operative Industrial Estate	2
Vyasarpadi Co-opertive Industrial Estate	4
Sakthi Co-operative Industrial Estate, Pollachi	4
Coimbatore Private Industrial Estate	12
K. R. Sundaram Private Industrial Estate	2

The above estates are in their infant stages of implementation.

For 1963–64 a sum of Rs. 24 lakhs has been targetted for disbursement to the above six estates.

5. HANDICRAFTS

	(RS. IN LAKHS.)
Third Plan Provision ...	60·00
Actuals for 1961–62 ...	3·828
Revised Estimate for 1962–63 ...	5·81
Budget Estimate for 1963–64 ...	8·83
Total ...	18·468

Having laid the foundation for proper development of handicrafts during the Second Five-Year Plan, attention is proposed to be paid to organize production with the object of meeting the increased demand in the internal and foreign markets. Production is to be organized mainly through Industrial Co-operative Societies. It is also proposed to expand the existing sales depots and to establish new ones in major cities in India.

The main achievements during 1961–62 to 1962–63 and the programme for 1963–64 in respect of individual schemes are given below :—

(i) *Upgrading and expansion of School of Arts and Crafts, Madras.*

	(RS. IN LAKHS.)
Third Plan Provision ...	8·00
Actuals for 1961–62 ...	0·10
Revised Estimate for 1962–63 ...	0·54
Budget Estimate for 1963–64 ...	2·95
Total for three years ...	3·59

An Advisory Committee was formed to revise the syllabus and the course of study to be adopted. The report of the Advisory Committee has been received and is under consideration. As regards construction of building, plans and estimates have been prepared. Tools, equipments and furniture required have also been purchased. A provision of Rs. 2·95 lakhs have been made for 1963–64 for the scheme.

(2) *Expansion of Sculpture School at Mahabalipuram.*

	(RS. IN LAKHS.)
Third Plan Provision ...	3·50
Actuals for 1961–62 ...	0·60
Revised Estimate for 1962–63 ...	1·14
Budget Estimate for 1963–64 ...	1·32
Total for three years ...	3·06

The object of the scheme is to expand the centre so as to admit 15 candidates every year for training and also to construct the work-shed, hostel building and warden's quarters. During 1961–62 the construction of work-shed was taken up and was completed in 1962–63 except for the errection of Vimanam and carved pillars. This work is expected to be completed before March 1963. As regards the construction of hostel buildings the site has been selected, plants and estimates have been prepared and the construction will be started as soon as the site is acquired. As for the expansion scheme, the second batch of trainees were admitted in 1961–62 and the third batch in 1962–63.

(3) *Expansion of Art Pottery Centre at Madras.*

	(RS. IN LAKHS.)
Third Plan Provision ...	...
Actuals for 1961–62 ...	0.01
Revised Estimtae for 1962–63 ...	1·03
Budget Estimate for 1963–64 ...	0.77
Total for three years ...	1.81

The object of the scheme is to provide proper guidance and help to the potters at Kosavapet who are engaged in the manufacture of clay toys, dolls, etc., in adopting improved designs and also to give them intensive training in the technique of production of glazed items. As suitable site could not be secured on the construction of building within the City limits or nearby, it was decided to locate the Unit in the defunct Match Factory building at Perambur. The amount of Rs. 0·40 lakh provided for construction of buildings could not therefore be utilized. The required machineries have been ordered for and most of them have been received. The construction of kiln has also been taken up and it is nearing completion. The centre is expected to commence working in April 1963.

(4) *Establishment of Design Demonstration Centre.*

	(RS. IN LAKHS.)
Third Plan Provision	4·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·12
Budget Estimate for 1963–64	0·34
Total for three years ...	0.46

The object of the scheme is to give design and guidance to the artisans in handicrafts by distributing to them improved designs for their crafts and also to train them to create good new designs. Preliminary arrangements have been completed and the Design Centre started functioning in November 1962. As suitable rented building could not be secured, the Centre is at present situated temporarily in the Old Textiles Institute building at Washermenpet.

(5) *Expansion of existing Emporia and opening of new ones.*

	(RS. IN LAKHS.)
Third Plan Provision	9·00
Actuals for 1961–62	0·94
Revised Estimate for 1962–63	0·23
Budget Estimate for 1963–64	0.03
Total for three years ...	1.20

The construction of buildings for the sales depot at Salem and Tiruchirappalli was taken in 1961–62. The building at Salem was completed and occupied in the month of August 1962. The construction at Tiruchirappalli has also been completed except for the interior decoration. Interior decoration work is also nearing completion and the building is expected to be occupied by the end of the February 1963.

(6) *Development of Handicrafts Co-operatives.*

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	2·18
Revised Estimate for 1962–63	1·31
Budget Estimate for 1963–64	2·51
Total for three years ...	6·00

A number of co-operative societies for the development of handicrafts such as sea shell toys, mat weaving, basket making, etc., are functioning throughout the State under this scheme.

For 1963–64 the following new schemes will be taken up for implementation :—

(1) Grants to the Pattamadai Fine Mat Weavers' Co-operative Society, Tirunelveli district for the continuance of the Training Centre.

(2) Financial assistance to the Gopalasamudram Sunhemp Fibre Workers' Co-operative Society.

(3) Reorganisation of Mat Weavers' Co-operative Societies at Soorangudi in Kanyakumari district, Attur in Madurai district and Theethanviduthi in Tiruchirappalli district.

(4) Training Centre for Art Pottery in Karigiri Pottery Workers' Co-operative Society, North Arcot district.

(5) Establishment of a Training Centre at Wallajapet Cane Workers' Co-operative Society.

(6) Training in the manufacture of bamboo articles—Grant to the Basket Makers' Co-operative at Paranthamangalam, Mettupalayam and Coimbatore town.

(7) Organisation of a Mat Weavers' Co-operative Society at Moongileri, Chettipatti village, Salem district.

(8) Organisation of a Mat Weavers' Co-operative Society at Pauparapatti, Salem district.

(9) Financial assistance to the Veeravanallur Mat Weavers' Co-operative Society for construction of godowns.

(10) Financial assistance to Giriammalpurm Mat Weavers' Co-operative Society, for construction of godown.

6. COIR.

	(RS. IN LAKHS.)
Third Plan Provision	15·00
Actuals for 1961–62	1·34
Revised Estimate for 1962–63	0·83
Budget Estimate for 1963–64	4·46
Total for three years ...	6.63

The schemes under implementation under this head are given below :—

1. *Expansion of Coir School, Ethamuzhi, Kanyakumari district.*—The scheme is intended to expand the scope of training in the Coir School, Ethamuzhi by providing for training in the modern techniques of manufacatured of coir goods including the manufacture rubberised coir products.

The construction of an additional work-shed for the school is in progress and is expected to be completed in the first-half of 1963–64. The equipment available in India has been obtained and steps have been taken to import the required rubberising plant from West Germany. The plant is expected to be received and installed in 1964–65.

The provision of Rs. 0·23 lakh proposed to be spent in 1963-64 will be utilised partly for completing the construction of the additional work-shed and for purchase of raw material, staff charges, etc.

2. *Coir co-operatives.*—Loans and grants are being disbursed to the Co-operative Societies and also for godown-*cum*-sales depots established in various districts in the State. The scheme is working satisfactorily. A provision of Rs. 4.23 lakhs has been made for 1963–64 for starting 2 Coir Co-operative societies, 2 godown-*cum*-sales depots and one Central marketing society.

7. SERICULTURE.

	(RS. IN LAKHS.)
Third Plan Provision	13·00
Actuals for 1961–62	1·23
Revised Estimate for 1962-63	3·38
Budget Estimate for 1963–64	2·83
Total ...	7·44

Eight sericulture schemes sanctioned for implementation in the year 1961–62 continued to function in the year 1962–63. The above schemes will be further continued in 1963–64. The Progress achieved so far and the work proposed to be taken up in 1963–64 are enumerated below :—

(1) Improvements to Government Silk Farm, Hosur.

	(RS. IN LAKHS.)
Third Plan Provision ...	4·11
Actuals for 1961–62 ...	0·57
Revised Estimate for 1962–63 ...	1·00
Budget Estimate for 1963–64 ...	0·83
Total for three years ...	2.40

The farm has now 20 acres of land under mulberry grafts. In 1963–64 another ten more acres will be under graft cultivation which means nearly 60 per cent of the total acreage in the farm will be of the improved variety. With the provision of electricity to the farm and quarters for some of the essential staff, the efficiency of the farm is bound to go up. During the year 1963–64, it is proposed to provide quarters for some more essential staff members; and provide additional cattle for cultivation and manure purposes. Another silkworm rearing unit will be provided with air conditioning facilities for successful rearing of the Foreign Breeds throughout the year.

(2) Scheme for Mulberry Graft Production.

	(RS. IN LAKHS.)
Third Plan Provision ...	1·44
Actuals for 1961–62 ...	0·11
Revised Estimate for 1962–63 ...	0·48
Budget Estimate for 1963–64 ...	0·28
Total for three years ...	0.87

Private agriculturists have started, on subsidised basis, 10 mulberry graft nurseries so far, six of them in Salem district, three in North Arcot district and the remaining one in Tirunelveli district. They will be continued in 1963–64 and a few of them is expected to go into production also in 1963–64. In addition to these graft nurseries the Government mulberry graft nursery started in 1961–62 will also be continued in 1963–64.

(3) Market to Cocoon Growers in Tenkasi.

	(RS. IN LAKHS.)
Third Plan Provision ...	0·59
Actuals for 1961–62 ...	0·04
Revised Estimate for 1962–63 ...	0·05
Budget Estimate for 1963–64 ...	0·27
Total for three years ...	0.36

In the year 1961–62, cocoon market was established in Tenkasi to afford marketing facilities to those practising the silk industry. In the year 1963–64, the construction of a departmental building and quarters for the staff in Tenkasi taken up in 1962–63 will be completed. Besides an additional market with building will be established in Anchetty in Salem district to provide satisfactory marketing facilitation to sericulturists in that area from 1963–64.

(4) Expansion of cross breed grainage, Berigai.

	(RS. IN LAKHS.)
Third Plan Provision ...	(–) 0·27
Actuals for 1961–62 ...	0·37
Revised Estimate from 1962–63 ...	0·84
Budget Estimate for 1963–64 ...	0·25
Total for three years ...	1.46

Three lakhs and six thousand of disease-free layings were supplied to the sericulturists in the State in 1961–62. A quantity of 4·00 lakhs disease-free layings will be distributed in 1962–63 and 6 lakhs in 1963–64. A building taken up for construction in 1961–62 has been completed.

(5) *Subsidy and Loan to Silkworm seed or industrial rearers for sinking of irrigation wells or construction of rearing sheds.*

	(RS. IN LAKHS.)
Third Plan Provision	1·75
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·36
Budget Estimate for 1963–64	0·36
Total for three years ...	0.72

By the end of 1962–63, it is estimated that 14 irrigation wells and 14 rearing sheds would be constructed under the scheme. In the year 1963–64 provision has been made for seven more wells and sheds.

(6) *Expansion of Demonstration Silk Farms at Tenkasi, Salem and North Arcot district.*

	(RS. IN LAKHS.)
Third Plan Provision	1·90
Actuals for 1961–62	0·14
Revised Estimate for 1962–63	0.63
Budget Estimate for 1963–64	0·82
Total for three years ...	1·59

The two demonstration silk farms started in Krishnagiri of Salem district and Gudiyatham taluk of North Arcot district in the year 1961–62 are being continued. Silkworm breeding work has been taken up and the farm will produce results from 1963–64 to serve the purpose for which they were started. The construction of a farm building and quarters for the farm staff in Tenkasi taken up in 1962–63 will be completed in 1963–64.

Village Industries.

	(RS. IN LAKHS.)
Third Plan Provision	8·00
Actuals for 1961–62	0·19
Revised Estimate for 1962–63	1·07
Budget Estimate for 1963–64	2·00
Total for three year ...	3.26

The State Government had planned to provide training facilities in certain useful trades like ceramics, blacksmithy, carpentry, handicrafts, etc., to semi-educated youths who had discontinued their studies at the middle school stage and they formulated a scheme to set up work centres in rural areas. These work centres are primarly intended to train up these youths in the respective trade so that they could establish Small Industries Units of their own and take up a career in that way.

A site in Athoor in Salem district for starting of a ceramic centre for the benfit of semi-educated youths is under selection. Similarly work centres in blacksmithy and carpentry unit proposed at Wallajapet, North Arcot district are under initial implementation.

Roads.		(RS. IN LAKHS.)
Third Plan Provision	... ...	1,100·00
Actuals for 1961–62	...	219·16
Revised Estimate for 1962–63	...	234·97
Budget Estimate for 1963–64	...	234·01
Total for three years	...	688·59

XV. ROADS

The Madras State has a well knit system of Highways and District Roads of about 25,867 miles in length as at the beginning of the Third Plan, as detailed below :—

Classification.

		Miles.
1	National Highways	1,090
2	State Highways	1,092
3	Major District Roads	8,648
4	Panchayat Union Roads	5,190
5	Panchayat Roads	9,847
	Total	25,867

The maintenance and development of National Highways being the responsibility of the Government of India, come under the Central Plan and are entirely financed by them. National Highway urban links within municipalities and towns having a population of more than 20,000 are being maintained from the State Funds and works of original nature in urban links are executed by the Government after realising 50 per cent contribution from the local body concerned.

The other classes of roads are either being maintained by the State Government or by the Panchayats and Panchayat Unions concerned. The agency for maintenance of all classes of roads including National Highways is the Highways and Rural Works Department. As the Panchayat Unions and Panchayats will not be able to maintain all the roads under their control in good condition, due to limited funds, a phased programme of taking up about 1,000 miles of bus route roads and 1,000 miles of non-bus route roads from them for improvements by Government has been introduced. The bus route roads after improvements are taken over by Government and non-bus routes improved to fair standards are handed over to the Panchayat Unions. Details under this scheme are furnished below :—

Year (1)	Bus routes. (MILES) (2)	Non-bus routes. (MILES) (3)	Total. (MILES) (4)
1960–61	987	1,169	2,156
1961–62	985	1,130	2,115
1962–63	1,043	1,137	2,180
Total ..	3,015	3,436	6,451

Due to limited funds, it is proposed to take up improvements to 500 miles of bus route roads only under this scheme in 1963–64.

A brief description of the individual schemes is given in the following paragraphs :—

(1) *State Highways (Government Roads.)*

	(RS. IN LAKHS.)
Third Plan Provision	400·00
Actuals for 1961–62	92·00
Revised Estimate for 1962–63	128·79
Budget Estimate for 1963–64	127·22
Total for three years	348·01

The scheme provides for development of roads maintained by the State Government. The new feature in the development of roads in this Plan is the priority given for improving the roads in and around industrial areas like Neyveli, Salem, Tiruchirappalli, Tuticorin, and Madras. All the weak bridges and culverts in these areas are being strengthened to Indian Road Congress Standards and the road surface also improved so as to allow for the plying of heavy vehicles. The gross laden capacity of vehicles has been raised from 9 to 12 tons and action is taken to strengthen weak bridges and culverts in all State Highways and important Major District Roads. A sum of Rs. 25 lakhs from State funds for reconstructing weak structures on National Highways, has also been sanctioned pending approval from the Government of India.

The table below shows the physical achievements in 1961–62 and 1962–63.

Item and Unit.	Achievements in 1961–62.	Achievements in 1962–63.
1 Cement concreting (Miles-Furlongs)	3–0	5–2
2 Asphaltic ,, ,,	0–2	0–1
3 Black-topping	60–0	33–4
4 New Metalling ,,	55–0	21–0
5 New formation ,,	12–4	13–6
6 Improvement schemes (Nos.)	7	4
7 Major Bridges ,,	10	8
8 Minor Bridges ,,	25	35

2. *Roads other than State Highways (Panchayat Union Roads).*

	(RS. IN LAKHS)
Third Plan provision	360·00
Actuals for 1961–62	48·16
Revised Estimate for 1962–63	37·00
Budget Estimate for 1963–64	32·00
Total for three years	117·16

Under this scheme, grants were sanctioned to ex-District Boards for development works on District Board Roads. However after the abolition of the District Boards, as per the new set up under the Panchayat Act, the ex-District Board roads vest with the Panchayat Unions or Panchayats. The spill-over works of the Second Plan and new works of improvements and construction of bridges on Panchayat Union Roads are now being executed under this scheme and a sum of Rs. 160 lakhs out of 360 lakhs is set apart for expenditure during the Third Plan period. Top priority is being given to complete the spill-over works of the Second Plan and New works will be taken up for execution thereafter. A sum of Rs. 37 lakhs is proposed to be spent during 1962–63 on spill-over works. Formation of link road is executed by the Panchayats concerned under the village works grant programme from out of the sum of Rs. 200 lakhs set apart from the plan provision of Highways and Rural Works Department for this purpose.

Details of physical achievements during 1961–62 and 1962–63 are furnished below :—

Item and Unit.	Achievemets in 1961–62.	Achievemets in 1962–63.
1 Black-topping (Miles-Furlongs)	2–3	3–0
2 New formation ,, ...	313–7	200–0
3 New Metalling ,, ...	87–0	32–0
4 Major Bridges (Nos,)	7	5
5 Minor Bridges ,, ...	109	66
6 Improvement schemes—		
(i) Culverts ,, ...	10	14
(ii) Improvement to roads (Miles-Fur)..	45–4	9 0

3. *Tools and Plant.*

	(RS. IN LAKHS.)
Third Plan Provision	60·00
Actuals for 1961–62	12·64
Revised Estimate for 1962–63	11·58
Budget Estimate for 1963–64	13·00
Total for three years	37·22

This scheme provides for the purchase of heavy plants and machinery required for road and bridge construction works and for scientific equipments for Highways Research Station.

4. *Roads of Inter-State and Economic Importance.*

	(RS. IN LAKHS.)
Third Plan provision	38·00
Actuals for 1961–62	11·57
Revised Estimate for 1962–63	8·06
Budget Estimate for 1963–64	6·52
Total for three years ...	26·15 *

The Government of India sanction either full grant or grants of varying percentage for road and bridge works of Inter-State and Economic Importance. In the Third Five-Year Plan the expenditure to be incurred from State Funds on these works is included the provision made being Rs. 38 lakhs. Only the spill-over works of the Second Plan are carried on to completion. The major work now under execution under this scheme is " Formation of Yelagiri Ghat road " and " Improvements to Tiruvellore-Arkonam Road including black-topping "

Particulars of physical achievements during 1961–62 and 1962–63 under this scheme are furnished below :—

Item and Unit.	Achievements in 1961–62.	Achievements in 1962–63.
1 Improvement works. (Nos.)	1	1
2 Bridges ,, ...	1	1
3 New formations. (Miles-Furlongs)	4–2	2–1

* Represents State Share. This is a Centrally sponsored scheme. State Share only is included in the State Plan.

5. *Central Road Fund Schemes (State Allocation).*

	(RS. IN LAKHS.)
Third Plan Provision	175·00
Actuals for 1961–62	29·92
Revised Estimate for 1962–63	25·00
Budget Estimate for 1963–64	24·00
Total for three years ...	78·92

Under this scheme, an outlay of Rs. 175 lakhs for works on both Government and other roads has been provided under State's allocation of the Central Road Fund. Works on Government as well as on other roads are executed under this scheme. The works to be taken up for execution under the Central Road Fund Allocations are got approved by Government of India. For works taken up under the Central Road Fund (Reserve) scheme, the Central Government sanctioned full grant or part grant to be met from the Reserve Fund and the balance to be met from the **State's** allocation of the fund.

The physical achievements in 1961–62 and 1962–63 are given below :—

Item and Unit.	Achievement in 1961–62.	Achievement in 1962–63.
1 Improvement scheme (Numbers)	**4**	**4**
2 Bridges ,, ...	**5**	**5**
3 New Formation (Miles-Furlongs)	**1-2**	**6-4**

6. Security Measure Road Works.

	(RS. IN LAKHS.)
Third Plan Provision	27·00
Actuals for 1961–62	25·32
Revised Estimate for 1962–63	19·54
Budget Estimate for 1963–64	3·27
Total for three years	48·13

In order to provide proper communication facilities to the backward areas of Ramanathapuram District, the Government sanctioned improvement and new formation schemes as Security Measure Road Works under the Second Five-Year Plan. Only the spill-over works of Second Plan are being executed and the few works still under execution will be completed by the middle of 1963–64. About 204 miles of roads formed and improved under this scheme have been taken over by Government for maintenance and the other completed roads handed over to Panchayat Unions.

The physical achievements in 1961–62 and 1962–63 are given below :—

Item and Unit.	Acheivement in 1961–62.	Acheivement in 1962–63.
1 Formation (Miles-Furlongs)	**88-2**	**38-2**
2 Gravelling ,, ...	**64-0**	**71-6**
3 Metalling ,, ...	**26-2**	**29-2**
4 Culverts (Nos.)	**355**	**191**
5 Roads, dams and causeways (Nos.)	**16**	**6**
6 Hardbed ,, ...	**Nil**	**8**

7. Construction of over/under bridges in lieu of existing level-crossing within City limits.

	(RS. IN LAKHS.)
Third Plan Provision	40·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	5·00
Budget Estimate for 1963–64	28·00
Total for three years	33·00

This scheme provides for construction of over/under bridges in lieu of existing level crossings. During the Second Plan, only one over-bridge, viz., Mc. Nicholls Bridge at Madras was taken up and completed. During the Third Plan period, two major works within Madras City limits are taken up (i.e.) one over-bridge on the Tiruvottiyur High Road and one Sub-way on the Spring Haven Road (near Light House), both costing about Rs. 48 and 45 lakhs respectively. Arrangements have already been made by the Corporation of Madras to commence the Tiruvottiyur High Road over-bridge work. As regards the sub-way at Light House Road, Government have sanctioned the work for Rs. 45 lakhs and the work will be taken up shortly.

	(RS. IN LAKHS.)
Tourism.	
Third Plan Provision	25·60
Actuals for 1961–62	..
Revised Estimate for 1962–63	**3·36**
Budget Estimate for 1963–64	0·03
Total for three years ...	**3·39**

XVI. TOURISM

Tourism has assumed great importance during recent years. The number of foreign tourists visiting India is estimated to have gone up considerably. The earnings of foreign exchange from tourism are also estimated to have increased by five times during the last decade.

A scheme for construction of rest houses in important tourist centres of this State has been under implementation from the Second Five-Year Plan period. The Rest Houses at Madurai and Tiruchirappalli started during the Second Plan were completed and declared open during 1961–62. A tourist bungalow at Ootacamund, at an estimated cost of Rs. 10.00 lakhs is under construction. The first stage of the bungalow is expected to be declared open shortly as the work on it has been structurally completed. The work on the improvement of Rani Mangammal Chatram at Madurai is in progress.

The selection of a site for a Low Income Group Rest House at Chidambaram is under consideration of the Government. The question of purchasing the 'Scorpion Hall' and the surrounding areas at Courtallam owned by the Government of Kerala and developing it as a rest house has been considered and the matter is under correspondence with that Government.

General Education.

		(RS. IN LAKHS.)
Third Plan Provision	...	2,542·99
Actuals for 1961–62	... ...	259·192
Revised Estimate for 1962-63	..	450.223
Budget Estimate for 1963-64	...	539·097
Total for three years	...	1,248·512

XVII. GENERAL EDUCATION

The outlay for General Education for the Third Plan is Rs. 2,542·99 lakhs. The expenditure for 1961–62 was Rs. 259·192 lakhs and the anticipated expenditure for 1962–63 is Rs. 450·223 lakhs. The outlay proposed for 1963–64 is Rs. 539·097 lakhs. Therefore the estimated outlay for the first three years of the plan period is Rs. 1,248·512 lakhs, which represents about 49 per cent of the total outlay on General Education.

A. ELEMENTARY EDUCATION.

1. *Expansion of Educational facilities for children in the age-group* 6–11.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	1,138·00
Actuals for 1961–62	... ...	190·00
Revised Estimate for 1962–63	... ...	233·06
Budget Estimate for 1963–64	... ...	240·40
Total for three years	...	663·46

The scheme of compulsory education for children of the age-group 6–11 was introduced in 1960–61 according to a phased programme in one-third area of the State beginning with the age-group 6–7. In 1961–62, it was enforced in respect of the age-groups 6–7 and 7–8 in that area and was also introduced in another one-third of the area of the State for the age-group 6–7. During the year 1961–62, the target was the enrolment of two lakhs of additional pupils but about 3·8 lakhs of pupils were actually enrolled. During 1962-63, compulsion is being introduced for the age-group 6–8 in the remaining one-third area of the State besides extending compulsion to the age-group 8–9 in the first area and 7-8 in the second area, and compulsion will be in force throughout the State by the end of 1962–63. The target for 1962–63 is the enrolment of an additional 5·5 lakhs of pupils of age-group 6–11. According to reports received, more than 4 lakhs of pupils have been enrolled by the end of December 1962. The Panchayat Union Councils have been entrusted with the task of enforcing compulsory primary education in their areas.

The programme for 1963–64 envisages the enrolment of three lakhs of additional pupils of the age-group 6-11, involving the appointment of 6,600 teachers. Thus by the end of 1963-64, about 11 lakhs, out of a target of 14 lakhs of pupils for the plan period, would have been enrolled.

2. *Enrolment of pupils of the age-group* 11–14.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	**250·00**
Actuals for 1961-62	... ...	0·33
Revised Estimate for 1962–63	... ...	40·34
Budget Estimate for 1963-64	... ...	60·00
Total for three years	...	100·67

The Third Plan provides for additional enrolment of 2·15 lakhs of pupils of the age-group 11–14 also. The target for 1961–62 was the enrolment of 50,000 pupils of the age-group 11–14 additionally and this target has been achieved. During 1962–63, it was

originally proposed to enrol 70,000 pupils more under this scheme. But as a result of the Mid-day Meal scheme and other improvement schemes, like free uniforms, pupils have not dropped out but continue to stay in the schools, with the result that an enrolment of nearly 1·50 lakhs have been achieved.

The programme for 1963–64 is to enrol additionally 35,000 pupils of this age-group by the appointment of 875 Secondary Grade teachers.

3. *Improvement of primary schools in the transferred areas.*

	(RS. IN LAKHS.)
Third Plan Provision	49·00
Actual for 1961–62	..
Revised Estimate for 1962–63	0·51
Budget Estimate for 1963–64	0·51
Total for three years ...	1·02

The Third Plan provides for improvements to 409 primary schools and 106 private elementary schools in the transferred areas so as to bring them on a par with those in the rest of the State.

As against the targetted figure of improvements to 95 schools for 1961–62, plans and estimates for the improvement of 43 schools were approved. In view of the National Emergency, improvements to more number of schools have been deferred.

4. *Re-orientation training to elementary school teachers.*

	(RS. IN LAKHS.)
Third Plan Provision	2·96
Actuals for 1961–62	2·21
Revised Estimate for 1962-63	1·70
Budget Estimate for 1963–64	...
Total for three years ...	3·91

The programme was to give re-orientation training to about 42,000 non-basic teachers working in all elementary schools to enable them to implement the revised syllabus in which the main elements of basic education other than craft and correlated technique of teaching have been incorporated. Due, however, to the subsequent opening of a large number of new elementary schools, the target was revised from 42,000 to 46,000.

By the end of the Second Plan, 27,000 teachers were given re-orientation training and the remaining 19,400 teachers had therefore, to be given the training during the Third Plan period. The number given re-orientation training during 1961–62 was 10,400 and the number given re-training during 1962–63, so far, is about 5,400. The remaining teachers will be given re-orientation training during the remaining part of the year.

As all non-basic teachers are expected to be re-trained during 1962–63, this scheme is not likely to be continued during the remaining years of the Plan period and no provision has been suggested for 1963-64.

5. *Provision of libraries in elementary schools.*

	(RS. IN LAKHS.)
Third Plan Provision	3·20
Actuals for 1961-62	0.23
Revised Estimate for 1962-63	0·91
Budget Estimate for 1963-64	0·91
Total for three years ...	2·05

The Third Plan envisages the provision of a nucleus of a library for 27,000 elementary schools including basic schools.

During 1961-62, libraries have been opened in about 800 higher elementary and 3,000 lower elementary schools at about a cost of Rs. 0·23 lakh. During 1962–63, it is proposed to open libraries in 1,000 higher elementary and in 4·400 lower elementary schools at an estimated cost of Rs. 0·91 lakh.

A similar programme will be implemented during 1963–64 also.

6. *Conversion of elementary schools into basic including re-training programme.*

	(RS. IN LAKHS.)
Third Plan Provision	34·15
Actuals for 1961–62	3·94
Revised Estimate for 1962–63	...
Budget Estimate for 1963–64	...
Total for three years ...	3·94

Basic Education aims at qualitative improvement along with quantitative expansion. In the Third Plan period, it is proposed to convert 2,000 ordinary elementary schools into basic schools at the rate of 400 schools every year. Under the scheme, the target of 400 schools and 800 trainees has been achieved in full in 1961-62. The scheme has been suspended in 1962-63 pending the enquiry and report into the system of Basic Education by the one-man Committee of Sri Aryanayakam.

For the same reason, no programme has been drawn up for 1963-64.

7. *Construction of buildings for Government basic training schools.*

	(RS. IN LAKHS.)
Third Plan Provision	15·00
Actuals for 1961–62	6·54
Revised Estimate for 1962–63	4·087
Budget Estimate for 1963-64	3·14
Total for three years ...	13·767

Many Government Basic Training schools are at present located in rented buildings and the accommodation provided for these schools in either unsuitable or inadequate. It is also desirable to shift some of the non-basic training schools which are situated in urban areas to rural areas after converting them to basic training schools. In the Third Plan a sum of Rs. 15 lakhs has been provided for the construction of the Government Basic Training schools.

In 1961–62, plans and estimates in respect of three Government Basic Training schools have been approved and the work is in progress.

8. *Training of additional teachers.*

	(RS. IN LAKHS.)
Third Plan Provision	30·00
Actuals for 1961-62	10·94
Revised Estimate for 1962-63	17·92
Budget Estimate for 1963-64	21·99
Total for three years ...	50·85

It is estimated that about 31,000 additional teachers will be necessary during the Third Plan period for implementing the compulsory elementary education programme. In order to train these teachers, sixty-six additional section were opened during the Second Plan period itself. These sections will be continued during the Third Plan period.

During 1961- 62, the target of 66 sections and 3,300 trainees has been fully achieved under this scheme. During 1962–63, 72 sections have been opened for training the additional teachers required.

These sections will be continued during 1963–64.

9. *Construction of quarters for women teachers.*

	(RS. IN LAKHS.)
Third Plan Provision	25·00
Actuals for 1961–62	....
Revised Estimate for 1962–63	8·73
Budget Estimate for 1963–64	12·38
Total for three years ...	21.11

To encourage women teachers to serve in rural areas on a larger scale, it is proposed to construct 750 quarters for women teachers in rural areas during the Third Plan period The construction of these quarters has been entrusted to the Panchayat Union Councils. 363 quarters have been programmed to be constructed during 1961-62 and 1962-63. It is proposed to construct 375 quarters during 1963-64 at an estimated cost of Rs. 12·38 lakhs.

10. *Strengthening of administrative staff.*

	(RS. IN LAKHS.)
Third Plan Provision	41·33
Actuals for 1961-62	1·14
Revised Estimate for 1962–63	5·15
Budget Estimate for 1963–64	11·82
Total for three years ...	18·11

The increase in the number of schools, both at the elementary and secondary stages of education during the second plan period has necessitated the appointment of additional Inspecting Officers for the efficient inspection of schools. It has become necessary to strengthen the administrative staff at all levels not only for inspection of the large number of schools opened in recent years but also to cope with the work involved in the successful implementation of the various plan schemes. The employment of additional staff as required has been sanctioned.

B. SECONDARY EDUCATION.

(1) *Enrolment of pupils of the age-group* 14-17.

	(RS. IN LAKHS.)
Third Plan Provision	245·00
Actuals for 1961–62	13·06
Revised Estimate for 1962–63	20·47
Budget Estimate for 1963–64	53·902
Total for three years ...	87·432

Corresponding to the increased enrolment in the primary stages and middle stages in the First and Second Plan, there will be larger enrolment in the Secondary Schools in the Third Plan. Provision, has therefore, been made in the Third Plan for the enrolment of 75,000 pupils of the age group 14–17.

During 1961–62 and 1962–63 nearly 50,000 pupils have been enrolled.

During 1963–64, the number of pupils seeking admission into the High schools is likely to be very large as pupils from new Standard VII and Form III from Secondary schools on the one hand and from new Standard VII and old Standard VIII of Higher Elementary and Senior Basic schools on the other, will be seeking admission into the Standard VIII. Accordingly, provision has been made for the enrolment of 60,000 pupils of the age group 14–17 during 1963–64 as against 25,000 pupils during each of the years 1961–62 and 1962–63.

(2) *Free education for girls up to Standard X.*

	(RS. IN LAKHS.)
Third Plan Provision	100·00
Actuals for 1961–62	23·652
Revised Estimate for 1962–63	25·901
Budget Estimate for 1963–64	26·411
Total for three years ...	75·964

Free education up to and inclusive of the X standard for all poor pupils has been introduced with effect from the school year 1961–62. The fee income foregone due to grant of full fee concessions to girls has been included in the Third Plan.

(3) *Construction of buildings for Government Secondary Schools.*

	(RS. IN LAKHS.)
Third Plan Provision	15·00
Actuals for 1961–62	...
Revised Estimate for 1962-63	1·46
Budget Estimate for 1963-64	0·30
Total for three years ...	1·76

The number of pupils coming into Government Secondary schools will increase considerably during the Third Plan period and hence there will be need to increase the accommodation in them. Provision has been made for providing additional accommodation to Government Secondary schools during the plan period, wherever necessary.

(4) *Opening of multi-purpose schools.*

	(RS. IN LAKHS.)
Third Plan Provision	39·00
Actuals for 1961-62	0.91
Revised Estimate for 1962-63	0·34
Budget Estimate for 1963–64	1·242
Total for three years ...	2·492

With a view to provide for the varied tastes and aptitudes of the pupils, it is proposed to introduce 150 bifurcated courses during the Third Plan. The target of introduction of 30 courses during each of the years 1961–62 and 1962–63 has been achieved in full.

Thirty more courses will be introduced during 1963–64.

(5) *Improvement of secondary education.*

	(RS. IN LAKHS.)
Third Pan Provision	70·33
Actuals for 1961–62	0·49
Revised Estimate for 1962–63	7·57
Budget Estimate for 1963–64	5·21
Total for three years ...	13·27

The scheme envisages the improvement of teaching of science in 40 schools, improvement of teaching core subjects in 270 schools, improvement of school libraries in 540 schools and introduction of craft in 180 schools.

During 1961-62 and 1962-63, sixteen schools were selected for improvement of science, 108 schools for improvement in core subjects, 216 schools for the improvement of libraries and 72 schools for the introduction of craft.

The programme for 1963–64 will be to select 10 schools for improvement of science, 60 schools for improvement of core subjects, 100 schools for improvement of libraries and 36 schools for introduction of craft.

(6) *Training of teachers for Higher Secondary schools.*

		(RS. IN LAKHS.)
Third Plan Provision	...	16·68
Actuals for 1961-62	...	0·12
Revised Estimate for 1962-63	...	0·30
Budget Estimate for 1963–64	...	...
	Total for three years ...	0·42

The target under the Third Plan is to upgrade 200 high schools into Higher Secondary Schools according to phased pragramme from 1962–63, and accordingly provision was made for training of about 1200 teachers required for teaching the Higher Secondary Classes. During 1961–62, Government ordered the deputation of 40 teachers for post-graduate course in the Madras University. There is however no proposal under this scheme, during 1962–63 or 1963–64 since no final decision regarding the introduction of IX Standard has yet been taken.

(7) *Construction of Hostel for Girls.*

		(RS. IN LAKHS.)
Third Plan Provision	...	18·00
Actuals for 1961–62	...	0·12
Revised Estimate for 1962–63	...	7·09
Budget Estimate for 1963–64	...	3·60
	Total for three years ...	10·81

The absence of hostel facilities, especially in rural areas has stood in the way of greater enrolment of girl pupils in high school forms. A sum of Rs. 18 lakhs has been provided for the construction of 40 hostels for girls reading in secondary schools.

As against the target of eight hostels, plans and estimates were approved in respect of seven hostels during 1961–62. It is proposed to build another eight hostels during 1962–63

A similar programme is proposed to be taken up for implementation during 1963-64.

(8) *Increasing the number of merit scholarships in secondary schools.*

		(RS. IN LAKHS.)
Third Plan Provision	...	...
Actuals for 1961–62	...	...
Revised Estimate for 1962–63	...	0·17
Budget Estimate for 1963–64	...	0·33
	Total for three years ...	0·50

This is a new scheme included in the Third Plan from 1962–63. Government scholarships in Secondary schools are awarded on the basis of merit to those who are not eligiblle for fee concessions. In view of the increase in the number of pupils now reading in the Secondary schools, it is proposed to increase the number of scholarships, besides raising their value and extending their tenure.

C. UNIVERSITY EDUCATION.

	(RS. IN LAKHS.)
Third Plan Provision	56·00
Actuals for 1961–62	0·64
Revised Estimate for 1962–63	6·711
Budget Estimate for 1963–64	0·382
Total for three years ...	7·733

A sum of Rs. 50 lakhs has been provided in the Third Plan for the payment of grants to Madras University (Rs. 35 lakhs) and Annamalai University (Rs. 15 lakhs) for their Development schemes. A sum of Rs. 6 lakhs has been provided for developing the facilities available in the Presidency College, Madras, which is the premier Post-Graduate College in the State. During 1962–63, a sum of Rs. 0·71 lakh is expected to be spent on thi scheme and an another sum of Rs. 0·38 lakh in 1963–64.

D. OTHER EDUCATIONAL SCHEMES.

(1) *Adult Education.*

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	0·01
Revised Estimate for 1962–63	0·80
Budget Estimate for 1963–64	1·29
Total for three years ...	2·10

Provision has been made in the Plan for the eradication of illiteracy among adults. The Plan provides for the opening of 1,500 adult literacy schools at the rate of 300 per year; but no adult literacy schools have been opened during 1961–62 or 1962–63. An adult training school opened during the Second Plan for the training of teachers for handling the adult literacy schools has been continued. The programme for 1963–64 provides for opening 300 new adult literacy schools.

(2) *Public Library Service.*

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	2·67
Revised Estimate for 1962–63	5·64
Budget Estimate for 1963–64	8·11
Total for three years ...	16·42

Children and adults who have received education are likely to relapse into illiteracy, if reading materials are not made available for them within easy reach. Provision has, therefore been made in the Plan for the opening of 300 Branch Libraries at the rate of 60 Libraries per annum. The aim is that no locality having a population of 5,000 and above should be without a branch library. During 1961–62, 60 Branch Libraries have been opened and a similar number will be opened in 1962–63. A sum of Rs. 8 lakhs has been provided in the Third Plan for the construction of additional accommodation for the Connemara Public Library which is the State Central Library. This work has been started and is in progress.

The programme for 1963–64 is the opening of an additional 60 Branch Libraries.

(3) *Audio-Visual Education.*

	(RS. IN LAKHS.)
Third Plan Provision	1.00
Actuals for 1961–62	0·19
Revised Estimate for 1962–63	0·20
Budget Estimate for 1963–64	0.20
Total for three years ...	0.59

A sum of Rs. 1·00 lakh has been provided in the Third Plan for the purchase of films and film-strips for the Central Film Library located in the office of the Director of Public Instruction. About Rs. 0·39 lakh would be spent during 1961–62 and 1962–63.

The programme will be continued during 1963–64.

(4) *Physical Education.*

(i) *Acquisition of playground in urban areas.*

	(RS. IN LAKHS.)
Third Plan Provision	2.00
Actuals for 1961–62	0·40
Revised Estimate for 1962–63	0·25
Budget Estimate for 1963–64	0.20
Total for three years ...	0.85

In order to provide some playground in crowded areas where facilities for adequate playground is not available, particularly in town and cities, this scheme has been sponsored. About Rs. 0·65 lakh would be spent during 1961–62 and 1962–63.

(ii) *Appointment of Physical Training Instructors in Higher Elementary and Senior Basic Schools.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	0.06
Revised Estimate for 1962–63	1.42
Budget Estimate for 1963–64	1.87
Total for three years ...	3.35

During 1961–62, sixty-six Physical Training Instructors were appointed as against a target of 80. Eighty more Physical Training Instructors are to be appointed during each of the year 1962–63 and 1963–64.

(5) *Provision of education facilities for the handicapped.*

	(RS. IN LAKHS.)
Third Plan Provision	4.98
Actual for 1961–62	...
Revised Estimate for 1962–63	0.31
Budget Estimate for 1963–64	0.90
Total for three years ...	1·21

The opening of new school for the blind and one for deaf is envisaged under the Plan. It is also proposed to train ten teachers each in the method of teaching the blind and the deaf. Government have sanctioned the opening of one school for the blind and one school for the deaf and dumb and steps are being taken to open these schools.

(6) Improvement in emoluments of teachers.

	(Rs. in lakhs.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	58·18
Budget Estimate for 1963–64	84·00
Total for three years ...	142·18

The Government of India have agreed to meet 50 per cent of the increase in emoluments granted to teachers by the State Governments and to include this scheme in the Third Plan. The State Government sanctioned an increase of Rs. 5 in the Dearness Allowance to all teachers getting a salary of less than Rs. 150 per mensem with effect from 1st July 1962. This expenditure has been included in the Plan from 1962–63. Necessary provison has been made for 1963–64 also.

Cultural Activities.

		(RS. IN LAKHS.)
Third Plan Provision	...	21.10
Actuals for 1961–62 ...	...	2·33
Revised Estimate for 1962–63	...	3·71
Budget Estimate for 1963–64	...	2·29
Total for three years	...	8·33

(2) CULTURAL ACTIVITIES.

Under this section, schemes relating to Archaelogy, Development of Academies, Grants to Voluntary Organisation, Exchange of Cultural Troupes, Improvement to Government Museum at Madras and Pudukkottai and District Gazetteer are under implementation. These will be continued in 1963–64.

Technical Education.	(RS. IN LAKHS.)
Third Plan Provision ...	652·00
Actuals for 1961–62	72·46
Revised Estimate for 1962–63	116·981
Budget Estimate for 1963–64	129·56
Total for three years ..	319·001

XVIII. TECHNICAL EDUCATION.

The needs of industry in a developing economy absorb skilled personnel faster than they become available. The programmes of development of Technical Education have to keep in view this increasing demand for technical man-power. The Third and Fourth Five-Year Plans would envisage a much greater emphasis on the industrialisation of the country, than the first two plans. Consequently the requirements of technical man-power at the various levels are bound to be much greater. The Third Five-Year Plan has, therefore, been drawn up to provide for the technical man-power required at Post-Graduate Degree and Diploma levels for the implementation of the various development programmes.

The programme for technical education in the Third Five-Year Plan has been fixed on the basis of estimates of additional requirement, on man-power in the State and Central Plans. This estimate has taken into account the migration of engineers to other parts of India and the requirements of the private sector.

The achievements during 1961–62, the progress anticipated in 1962–63 and the programme envisaged during 1963–64 are set out below :—

1. *Expansion and Development of existing Polytechnics at Madras, Coimbatore, Madurai, Regional School of Printing and Institute of Leather Technology, Madras.*

	(RS. IN LAKHS.)
Third Plan Provision	25·00
Actuals for 1961–62	4·28
Revised Estimate for 1962–63	15·22
Budget Estimate for 1963–64	17·03
Total for three years ...	36·53

During the Second Five-Year Plan, a number of additional courses were introduced in the existing polytechnics, Regional School of Printing and Institute of Leather Technology. Provision has been made for construction of additional buildings and purchase of equipment for the course started during the Second Five-Year Plan period in the three Government Polytechnics at Madras, Madurai, and Coimbatore and in the Regional School of Printing and Institute of Leather Technology, Madras.

The construction of new buildings for the Institute of Leather Technology is in good progress. It is also proposed to shift the Institute of Leather Technology to the new buildings from the next academic year.

2. *Establishment of Government Polytechnics at Vellore and Nagercoil.*

	(RS. IN LAKHS.)
Third Plan Provision	40·00
Actuals for 1961–62	6·10
Revised Estimate for 1962–63	13·53
Budget Estimate for 1963–64	15·97
Total for three years ...	35·60

Two centrally sponsored polytechnics at Vellore and Nagercoil were started at the end of the Second Five-Year Plan period. The construction of workshop buildings in the Government Polytechnic, Nagercoil has been completed and the Polytechnic is being shifted to the new building from even now. As regards the Government Polytechnic, Vellore, new buildings for workshops and Laboratories have been put up and it is expected that the remaining buildings will also be completed, before the Institution reopens for the academic year 1963–64.

3. *Grant-in-aid to Private Polytechnics.*

	(RS. IN LAKHS.)
Third Plan Provision ...	40·00
Actuals for 1961–62 ...	23·08
Revised Estimate for 1962–63 ...	10·00
Budget Estimate for 1963–64 ...	10.50
Total for three years ...	43·58

A number of private polytechnics has been established in this State during the Second Plan. Necessary provision has been made for grant-in-aid to these polytechnics during the Third Plan period. Advance grants are being sanctioned to the Managements of Private Polytechnics.

4. *Expansion and Development of Engineering Colleges at Guindy and Coimbatore.*

	(RS. IN LAKHS.)
Third Plan Provision ...	35·00
Actuals for 1961–62 ...	7·48
Revised Estimate for 1962–63 ...	5·44
Budget Estimate for 1963–64 ...	11·26
Total for three years ...	24·18

During the Second Five-Year Plan, the intake capacity of the two Government Engineering Colleges was increased and also additional Post-Graduate Courses were introduced in the Colleges of Engineering, Guindy. It has become necessary to construct additional buildings and to procure additional equipments commensurate with the increased intake of students. The construction of buildings is in good progress. It is proposed to accelerate the progress of the works during 1963–64, so that, the minimum accommodation required by the University and the Government of India is provided.

Indents have also been placed for the purchase of equipment for the two Institutions. The release of foreign exchange is awaited.

5. *Introduction of Five-Year Integrated course including grants-in-aid to Private Colleges for the same purpose.*

	(RS. IN LAKHS.)
Third Plan Provision ...	20·00
Actuals for 1961–62 ...	0·53
Revised Estimate for 1962–63 ...	4·43
Budget Estimate for 1963–64 ...	10·30
Total for three years ...	15.26

The Five-Year Integrated course was introduced in all the Engineering Colleges in this State during the Second Five-Year Plan period itself. Consequently, additional accommodation and equipment are needed to meet the increased requirements of the Five-Year Integrated course, as per the standards laid down by the All-India Council for Technical Education. The construction of additional buildings in the two Government Engineering Colleges at Guindy and Coimbatore is in progress and indents for equipment have also been made and supplies received partially.

Grant-in-aid is also payable to the private Engineering Colleges, where the Five-Year Integrated course has been introduced. Advance grants are being sanctioned to the private Engineering Colleges every year.

6. *Grants-in-aid to private Engineering Colleges including Madras Institute of Technology.*

		(RS. IN LAKHS.)
Third Plan Provision	...	9·00
Actuals for 1961–62	...	13·23
Revised Estimate for 1962–63	...	6·05
Budget Estimate for 1963–64	...	6·45
Total for three years	...	25·73

Provision has been made for payment of grant-in-aid to the four Private Engineering Colleges and the Madras Institute of Technology during 1963–64. Advance grants are being sanctioned to the four private Engineering Colleges every year. The Plan ceiling for this scheme has to be raised and action in this regard will be taken in due course.

7. *New Buildings for Central Polytechnic, Madras.*

		(RS. IN LAKHS.)
Third Plan Provision	...	45·50
Actuals for 1961–62	...	9·63
Revised Estimate for 1962–63	...	35·57
Budget Estimate for 1963–64	...	20·15
Total for three years	...	65·35

The Central Polytechnic, Madras is at present located in the Industrial Estate, Guindy. The construction of new buildings for the Central Polytechnic in Adayar is in good progress. The construction has been further accelerated so that complete accommodation will be made available for the Central Polytechnic, the additional courses to be started in 1963–64 and other allied institutions.

NEW SCHEMES.

8. *Establishment of Regional Engineering College at Tiruchirappalli.*

		(RS. IN LAKHS.)
Third Plan Provision	...	20·00 *
Actuals for 1961–62	...	...
Revised Estimate for 1962–63	...	1·00 **
Budget Estimate for 1963–64	...	5·00 **
Total for three years	...	6·00 **

The Third-Plan contemplates the establishment of a Regional Engineering College with an intake of 250 seats at Tiruchirappalli from the academic year 1963–64. This is a centrally sponsored scheme. The site has been selected and the lands are being acquired by the Revenue Department. A special construction division has been formed to attend to the building works pertaining to the Regional Engineering College and the buildings required for the Polytechnic and Junior Technical School which will be located in the same campus.

9. *Establishment of Technical Institutions for Women.*

		(RS. IN LAKHS.)
Third Plan Provision	...	30.00
Actuals for 1961–62	...	...
Revised Estimate for 1962–63	...	1.31
Budget Estimate for 1963–64	...	8.85
Total for three years	...	10.16

* Represents State Share only.

** The provision will be met enterely by the Central Government.

A Government Polytechnic for Women has been started at Madras from this academic year, with the following courses of study :—

Course.	Duration.	Intake.
(1) Electronics (Radio Engineering) ..	3 years	20
(2) Costume designing and dress making.	3 ,,	20
(3) Secretarial course	2 ,,	30
(4) Civil Engineering Draughtsmanship ..	2 ,,	33

The institution is at present temporarily located at Broadway, Madras. It is proposed to put up new buildings in a convenient place during this year 1963–64. More courses are also likely to be added to this institution from 1963–64.

10. *Establishment of polytechnic for Sandwich course at Coimbatore.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	0·50
Revised Estimate for 1962-63	1·00
Budget Estimate for 1963–64	0·70
Total for three years ...	2·20

A separate polytechnic for Sandwich Course has been started by the Rangaswami Naidu Educational Trust at Coimbatore from this academic year. Provision is made for payment of the State Government's share of grant-in-aid to the institution towards buildings and equipment needed for this institution. An advance grant was sanctioned to the institution last year and similar advance grant will be sanctioned this year also to the extent the institution is eligible.

11. *Establishment of Training Centre for Chemical Operators.*

	(RS. IN LAKHS.)
Third Plan Provision	12·00
Actuals for 1961–62	...
Revised Estimate for 1962-63	0·001
Budget Estimate for 1963-64	0·75
Total for three years ...	0·751

The scheme envisages the setting up of a separate institution of the type of a polytechnic to train candidates for a duration of three to four years. The candidates after training will be absorbed in supervisory jobs in the fertiliser and allied industries in the private and public sectors. A diploma course in Chemical Technology will be started in the Central Polytechnic, Madras from the academic year 1963–64 with an annual intake of 60 seats. Necessary staff for this purpose has been sanctioned and action is being taken to put up the buildings required for starting the course from next year.

12. *Rehabilitation of obsolete equipment in Government and non-Government Institutions.*

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	0·09
Revised Estimate for 1962-63	1·50
Budget Estimate for 1963-64	2·00
Total for three years ...	3·59

At present there are a lot of old equipments in the Engineering Colleges and Polytechnics, which have outlived their lives and require to be condemned and replaced by new equipments. It is proposed to undertake the rehabilitation of obsolete equipments in all Government and non-government institutions in a phased manner.

13. *Limited post-graduate activity, training and research at selected institutions in the State.*

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	0·05
Revised Estimate for 1962–63	0·25
Budget Estimate for 1963-64	1·80
Total for three years ...	2·10

A well equipped Research Station called 'Fundamental Research Station' has been set up in the campus of the College of Engineering, Guindy, to provide facilities for the research work of post-graduate students of the Engineering Colleges. A Special Officer has been appointed to collect data from other Research Institutions in this country and outside and undertake other preliminary work connected with the starting of the research work. A separate building is being put up for housing the Research Station. Necessary equipment will also be purchased for meeting the needs of the institution.

14. *Establishment of Junior Technical School.*

	(RS. IN LAKHS.)
Third Plan Provision	100·00
Actuals for 1961–62	5·41
Revised Estimate for 1962-63	9·86
Budget Estimate for 1963-64	14·08
Total for three years ...	29·55

So far seven Junior Technical Schools have been started, i.e., three as ancillary Institutions to the Government Polytechnics at Madras, Madurai and Coimbatore and four as attached institutions to the Seshasayee Institute of Technology, Tiruchirappalli, Nazhimuthu Polytechnic, Pollachi, Sankar Institute, Talayuthu and Annamalai Polytechnic, Chettinad. It has also been programmed to start two more Junior Technical Schools as ancillary institutions to the Government Polytechnics at Vellore and Nagercoil, and these schools will be started from next year. A Government Junior Technical School will be started as an adjunct to the proposed Polytechnic at Tiruchirappalli.

15. *Scholarships and Training abroad merit-cum-means scholarships.*

	(RS. IN LAKHS.)
Third Five-Year Plan	40·00
Actuals for 1961-62	0·10
Revised Estimate for 1962-63	0·30
Budget Estimate for 1963-64	0·50
Total for three years ...	0·90

A scheme of providing scholarships to 25 per cent of the students in Engineering Colleges and 10 per cent of the students in polytechnics has been deferred in view of the scheme for providing 'Loans to students in all Engineering Colleges and Polytechnics' which will come into effect from this year.

16. *Strengthening the Directorate of Technical Education.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	...
Revised Estimate for 1962-63	0·54
Budget Estimate for 1963-64	3·66
Total for three years ...	4·20

Additional technical and non-technical staff are being appointed (as and when necessity arises) for implementation of the various plan schemes and to watch their progress.

17. *Additional intake in existing Engineering Colleges (Private and Government).*

	(RS. IN LAKHS.)
Third Plan Provision	20·00
Actuals for 1961–62	1·88
Revised Estimate for 1962–63	3·79
Budget Estimate for 1963–64	7·76
Total for three years ...	13·43

It has been programmed to increase the intake in the Engineering Colleges from 120 to 180 in a phased manner. The construction of additional buildings for the two Government Engineering Colleges at Guindy and Coimbatore in connection with the increased intake of seats is in progress and the buildings are expected to be completed by next year.

18. *Separation of Diploma courses at P.S.G. College of Technology, Coimbatore and Alagappa Chettiar College of Engineering and Technology, Karaikudi.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	...
Revised Estimate for 1962-63	1·00
Budget Estimate for 1963-64	2·00
Total for three years ...	3·00

The P.S.G. and the A.C. Polytechnics are at present functioning as attached institutions to the respective Engineering Colleges, at Coimbatore and Karaikudi. The intake of the above two Engineering Colleges is proposed to be increased during the Third Five-Year Plan period. With the expansion of the two Engineering colleges, it is felt, that the separation of the Polytechnics from the Engineering Colleges is quite essential and urgent as the present set up of these institutions creates considerable administrative and practical difficulties affecting the practical training of students studying in both the institutions. The separation of the polytechnics from the P.S.G. and Alagappa Chettiar Colleges has been effected from this academic year. Provision has been made for payment of grant-in-aid to the two institutions under this scheme, including advance grants on the basis of the last year's sanction.

19. *Expansion of existing polytechnics (Private and Government).*

	(RS. IN LAKHS.)
Third Plan Provision	30·00
Actuals for 1961-62	...
Revised Estimate for 1962-63	1·60
Budget Estimate for 1963-64	1·80
Total for three years ...	3·40

The Seshasayee and the Nachimuthu Polytechnics have increased the intake from 120 to 180. The intake in respect of the other private polytechnics will also be increased in a phased manner. Advance grants will be sanctioned to this private institutions, when the intake has been increased.

20. *Establishment of a Government Engineering College at Salem.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	1·50
Budget Estimate for 1963-64	12·50
Total for three years ...	14·00

The scheme envisages the starting of an Engineering College in the Public Sector at Salem with an annual intake of 180 students from the academic year 1964-65, for which preliminary arrangements are under way.

21. *Film Institute.*

	(RS. IN LAKHS.)
Third Plan Provision	5·50
Actuals for 1961–62	...
Revised Estimate for 1962–63	2·00
Budget Estimate for 1963-64	3·00
Total for three years ...	5·00

The Institute of Film Technology will be shifted from Broadway, Madras to the new site, at Adyar in July 1963 where buildings are being put up for the purpose. Adequate staff have been sanctioned this year and indents for the purchase of equipment have been placed for the institute and supplies are expected to be reecived by the end of this year.

22. *Post Diploma course in Town and Country Planning.*

	(RS. IN LAKHS.)
Third Plan Provision	....
Actuals for 1961–62	...
Revised Estimate for 1962-63	0·09
Budget Estimate for 1963–64	0·50
Total for three years ...	0·59

A Post Diploma Course in Town and Country Planning has been started in the Central Polytechnic, Madras, in the current academic year, with an intake of 15 students. The course is of 1½ years duration, i.e., one year in the institution followed by six months of intensive training in the office of the Director of Town-Planning. The course is open to L.C.E. students.

23. *Loans to students in Professional colleges.*

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	2·00
Budget Estimate for 1963-64	3·00
Total for three years ...	5·00

The scheme envisages the grant of interest-free loans to all students studying in the Engineering Colleges and Polytechnics in this State, the income of whose parents is less than Rs. 1,500 per annum. The scheme which was originally confined to children of non-gazetted Government servants and teachers in elementary schools has since been extended to all. A tentative provision of Rs. 5·00 lakhs for this year and Rs. 5·00 lakhs for 1963–64 is made for this scheme.

24. *Special Schemes.*

On account of the emergency, shirt-term training courses for craftsmen have been started for 644 trainees in the Government and Private Engineering Colleges, to provide for the defence needs, as well as the requirements of industries. A three months course for wireless operators has been started in the College of Engineering, Guindy from the current year. The intake will be 16 for this course and the additional expenditure will be met in full by the Government of India and will fall outside the State Plan.

Health.

	(RS. IN LAKHS.)
Third Plan Provision	2,150·00
Actuals for 1961–62	500·40
Revised Estimates for 1962–63 ...	501·02
Budget Estimates for 1963–64	506·02
Total for three years ...	1,507·44

XIX HEALTH.

The schemes under this head broadly relate to the following sectors namely, (a) Medical, (b) Public Health and (c) Water-supply and Sanitation. The activities under these sectors are outlined below :—

(A) MEDICAL.

	(RS. IN LAKHS.)
Third Plan Provision	750·00
Actuals for 1961–62	167·28
Revised Estimate for 1962–63	144·819
Budget Estimate for 1963–64	124·817
Total for three years ...	436·916

The programme under the head envisages improvements to teaching hospitals in the State and to taluk and district headquarters hospitals, establishment of primary health centres and expansion of activity under the Family Planning Schemes. Provision has also been made for providing facilities for treatment of Tuberculosis and Leprosy in the mufassal hospitals. The details of the progress made under during 1961–62 and 1962–63 and the programme for 1963–64 are given below. In view of National Emergency, certain sanctioned building schemes relating to taluk headquarters hospitals, district headquarters hospital, primary health centres, etc., have to be deferred unless building works have already been started in them.

1. *Opening of a New Mental Hospital.*

	(RS. IN LAKHS.)
Third Plan Provision	15·00
Actuals for 1961–62	1·20
Revised Estimate for 1962-63	...
Budget Estimate for 1963–64	...
Total for three years ...	1·20

To relieve the congestion of mental patients at the Mental Hospital, Madras and to provide teaching facilities in mental disease to the students at the Madurai Medical College, Madurai, the Third Plan envisages the opening of new Mental Hospital at Madurai with an accommodation of 300 beds. Plans have been drawn up for a modern mental hospital. In view of National Emergency the proposal has been deferred.

2. *Improvements to Non-Taluk Headquarters Hospital.*

	(RS. IN LAKHS.)
Third Plan Provision	8·00
Actuals for 1961–62	0·48
Revised Estimate for 1962-63	2·009
Budget Estimate for 1963–64	2·09
Total for three years ...	4·579

During the Third Five-Year Plan period, it was proposed to upgrade some of the important non-taluk headquarters hospitals to provide necessary facilities as evidenced by the in-patients and out-patients treated.

Under this scheme a ward of 8 beds at Government Dispensary, Ayikudi in Tirunelveli district has been constructed and occupied in 1961–62. During 1962–63 the work for the improvement of Government Dispensary, Guzhiliamparai, has been completed. Construction of an in-patient ward with 6 beds at Government Dispensary, Thengapattinam, is nearing completion. Improvements to Government Hospital, Srirangam, such as provision of additional ward with 20 beds and a new operation theatre are in progress. During 1963–64, the dispensary at Pudumadam will be converted into a hospital of six beds with the necessary complement of staff.

3. *Improvements to Taluk Headquarters Hospitals.*

	RS. IN LAKHS.
Third Plan Provision	50·00
Actuals for 1961–62	18·17
Revised Estimate for 1962–63	13·011
Budget Estimate for 1963-64	8·02
Total for three years ...	39·201

It is proposed to increase the bed strength of all the taluk headquarters hospitals to a minimum of 30 to 80 beds based on population and requirements and in some cases 100 to 150. It is also proposed, that all taluk headquarters hospitals will have special departments like T.B., X-Ray, Dental, Ear, Nose and Throat, Blood Bank, etc.

The bed strength of Government hospitals in various places in the State has been strengthened considerably during 1961–62 and 1962–63, as indicated below :—

		During 1961–62.		
		From	To	Increase.
	(1)	(2)	(3)	(4)
1	Government Hospital, Kumbakonam	130	146	16
2	Government Hospital, Ariyalur	20	32	12
3	Government Hospital, Tenkasi	20	40	20
4	Government Hospital, Tuticorin	100	130	30
5	Government Hospital, Sankarankoil	8	30	22
6	Government Hospital, Ambasamudram	30	50	20
7	Government Hospital, Tiruvarur	30	46	16
8	Government Hospital, Periakulam	46	66	20
9	Government Hospital, Gobichettipalayam	51	63	12
		Total Increase	...	168

		During 1962–63.		
		From	To	Increase.
	(1)	(2)	(3)	(4)
1	Government Hospital, Nilakkottai	0	32	32
2	Government Hospital, Melur	12	52	40
		Total Increase	...	72

During 1963–64, provision has been made for completing the works already in progress. A provision of Rs. 1 lakh has been made for improvements to Ranee Hospital, Pudukkottai, which is solely intended for the treatment of women and children.

4. *Improvements to District Headquarters Hospitals.*

	(RS. IN LAKHS.)
Third Plan Provision	30·00
Actuals for 1961–62	28·29
Revised Estimate for 1962–63	18·83
Budget Estimate for 1963–64	12·908
Total for three years ...	60·028

The Government of India have observed, that time has now come when Medical relief must be decentralised and highest quality of specialist services in all branches of medicine should be made available at the district level. It is proposed to increase the bed strength of all district headquarters hospitals by 1,000 during the Plan period.

During 1961–62, the bed strength of the following hospitals has been increased by additional beds, as shown below.:—

	BEDS.
(1) Government Headquarters Hospital, Coimbatore	128
(2) Government Headquarters Hospital, Cuddalore	12
(3) Government Headquarters Hospital, Chingleput	118
(4) Government Headquarters Hospital, Nagercoil	76
Total ...	334

During 1962–63, the bed strength of the Headquarters Hospital, Palayamkottai has been increased from 310 to 325. The new out-patient block and in-patient block with (100 beds) at Government Headquarters Hospital, Cuddalore, has been completed and occupied. The new maternity ward of 24 beds and the quarters for Nurses in the Headquarters Hospital, Vellore, have been completed and occupied.

The following building works are under various stages of construction and they will be continued in 1963–64 :—

(1) **New buildings for Government Headquarters Hospital, Ramanathapuram.**

(2) Quarters for 1 Nursing Superintendent, 8 Head Nurses and 20 Nurses at **Headquarters Hospital, Tiruchirappalli.**

(3) New out-patient block for Headquarters Hospital, Salem.

(4) New post-operative ward of 60 beds in Headquarters Hospital, Salem.

(5) **New Block with three floors in Headquarters Hospital, Vellore (100 beds and** special department).

5. *Construction of quarters for District Medical Officers, Assistant District Medical Officers and other Subordinate Officers in the mufassal.*

	(RS. IN LAKHS.)
Third Plan Provision	5·47
Actuals for 1961–62	**0·74**
Revised Estimate for 1962–63	4·302
Budget Estimate for 1963–64	1·905
Total for three years ...	6·947

There is always difficulty in securing accommodation for the medical officers serving in the mufassal and remote localities and as well as, for those serving in the districts. Hence it is proposed to construct residential quarters for 150 medical officers during the Plan period in a phased programme.

The construction of quarters for medical officers sanctioned previously was completed during 1961–62 in Government dispensaries **at the following places :—**

(1) Palayamkottai (South Arcot).

(2) Kottathur (Tiruchirappalli).

(3) Guzhiliamparai (Madurai).

(4) Kanadukathan (Ramanathapuram).

(5) Moolakaraipatti (Tirunelveli).

(6) Ganapathipuram (Kanyakumari).

(7) Arumana (Kanyakumari).

(8) Boothapandi (Kanyakumari).

(9) Avikudi (Tirunelveli).

During 1962–63, quarters for two medical officers at Government dispensaries, Vadaseri (Thanjavur) and Kodumudi (Coimbatore) have been completed and occupied. Quarters for two Assistant Surgeons at Government dispensaries at Therazhandur and Aziznagar and quarters for District Medical Officer, at Vellore are under various stages of execution. These will be pushed through during 1963–64 to completion.

6. *Construction of quarters for nurses.*

	(RS. IN LAKHS.)
Third Plan Provision	7·00
Actuals for 1961–62	1·19
Revised Estimate for 1962–63	1·795
Budget Estimate for 1963–64	0·868
Total for three years ...	3·853

Under this scheme, 500 nurses serving in the District and Taluk Headquarters Hospitals will be provided with residential quarters, wherever found necessary, during the Plan period.

During 1961–62, quarters for 32 nurses were completed and occupied.

7. *Provision of ambulance vans for District Headquarters hospitals.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·27
Budget Estimate for 1963–64	0·08
Total for three years ...	0·35

Under this scheme during the Third Five-Year Plan period, all District Headquarters hospitals and some Taluk Headquarters hospitals will be provided each with an ambulance van. A garage will also be constructed at each hospital, when the van is purchased.

The chasis for the ambulance van sanctioned for the Headquarters Hospital, Cuddalore, has been purchased.

Proposals to provide ambulance vans for the Headquarters hospitals at Ootacamund and Nagercoil are under consideration.

8. *Artificial Limb Centre.*

	(RS. IN LAKHS.)
Third Plan Provision	3·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·44
Budget Estimate for 1963–64	0·23
Total for three years ...	0·67

During the Third Plan period, it is proposed to establish an Artificial Limb Centre from where orthopaedically handicapped persons will be provided with required artificial limbs, etc. The scheme will provide for a free supply of these implements to deserving poor patients. The centre will be established in the Government General Hospital, Madras. An Officer of the Industries Department has been deputed to visit the Artificial Limb and Appliances Centre, Queen Mary's Hospital, Roehampton, London, to gain experience in establishing an Artificial Limb and Orthopaedic Splint-making Centre. One Assistant Surgeon, a Physiotheropist and other staff have been deputed for training in the Artificial Limb Centre, Poona, and Splint-making Centre, Bombay, for four to six months. The staff are now under training and the centre will function on completion of their training. Necessary alteration in the buildings of Government General Hospital to house the Artificial Limb Centre will also be taken up.

9. Improvements to Teaching Hospital and City State hospitals.

	(RS. IN LAKHS)
Third Plan Provision	87·00
Actuals for 1961–62	25·10
Revised Estimate for 1962–63	8·75
Budget Estimate for 1963–64	14·566
... ... Total for three years ...	48·416

The Third Plan provides for construction of additional buildings and to carrying out other improvements to all Teaching hospitals and City State hospitals so as to make them full-fledged Teaching Institutions.

During 1961–62, 184 additional beds were provided in the following hospitals, as indicated against each of them :—

(1) Government General Hospital, Madras (1,150 to 1,210)	60
(2) Stanley Hospital, Madras (750 to 774)	24
(3) Kasturba Gandhi Hospital for Women and Children, Madras (515 to 615)	100
Total increased ...	184

During 1962–63 additional 94 beds have been provided as shown below :—

(1) Government Stanley Hospital, Madras (774 to 818)	44
(2) Government Royapettah Hospital, Madras (230 to 280)	50
Total increase ...	94

The following works are in various stages of construction :—

(1) Additional floor over new out-patient Block in Government Stanley Hospital, Madras.

(2) Construction of three-floor Women Medical Block (66 beds) in Stanley Hospital, Madras.

(3) Construction of two additional floors over Nurses' quarters, Stanley Hospital, Madras.

(4) Construction of 102 servants' quarters in Kasturba Gandhi Hospital for Women and Children, Madras.

During 1963–64, the following works will be taken up :—

(1) Construction of a modern Children's Hospital attached to the Government Hospital for Women and Children, Egmore, Madras.

(2) Construction of a three-storeyed building (including an ante-Natal Ward) in the Government Hospital for Women and Children.

It has also been programmed to provide air-conditioning of two post-operative wards (one for men and another for women) in the Government General Hospital, Madras.

HEALTH UNITS.

Opening of 220 Primary Health Centres.

	(RS. IN LAKHS.)
Third Plan Provision	100·00
Actuals for 1961–62	20·91
Revised Estimate for 1962–63	16·859
Budget Estimate for 1963–64	11·496
Total for three years	49·265

It is proposed to establish 220 Primary Health Centres during the Third Plan period to conform to the decision that each Community Development Block will have one Primary Health Centre by the end of the Third Five-Year Plan.

The number of Primary Health Centres actually opened during 1961–62 is five. During 1962–63, eight Primary Health Centres have been opened.

Establishment of Medical Colleges and Improvements to Medical Colleges.

	(RS. IN LAKHS)
Third Plan Provision	200·00
Actuals for 1961–62	56·32
Revised Estimate for 1962–63	57·596
Budget Estimate for 1963–64	41·401
Total for three years ...	155·317

The Third Plan provides for improvements to existing Medical Colleges as also for opening another Medical College in the State. It has been decided to shift the Kilpauk Medical College to the mufassal. The site for opening of a new Medical College is under consideration. It has also been programmed to provide improvements to existing colleges, wherever necessary. The construction of the Thanjavur Medical College is in good progress.

During 1962–63, the following building works have been completed :—

(1) Construction of additional Hostel for 108 students of Stanley Medical College, Madras.

(2) Construction of quarters for 2 Lady Wardens in Madras Medical College compound (main work completed).

(3) Additional accommodation for 100 students in Kilpauk Medical College, Madras.

During 1963–64, a provision of Rs. 3·66 lakhs has been made for purchase of equipment for various departments of the Kilpauk Medical College, Madras. It is proposed to create 38 posts of non-clinical tutors in the medical colleges in the State in lieu of 38 posts of medical demonstrators. The number of admission to the B.D.S. Course in the Dental wing of the Madras Medical College has been increased from 30 to 45 from the academic year 1963. The programme also includes provision of centralised system for medical gases and vaccum in the Thanjavur Medical College at a cost of Rs. 43,000.

Training Programmes—Training of Additional Nurses.

	(RS. IN LAKHS)
Third Plan Provision	10·00
Actuals for 1961–62	1·50
Revised Estimate for 1962–63	2·64
Budget Estimate for 1963–64	3·87
Total for three years ...	8·01

It is proposed to improve the facilities for training of nurses in accordance with the scheme proposed by Trained Nurses' Association of India in the remaining centres. The intention is to make all training centres as ideal Training Centres for Nurses in the hospitals, according to the standards of All-India Nursing Council.

It is proposed to advance the training programme and train 400 additional nurse pupils from 1963 so as to meet the requirements of the National emergency.

It has been programmed to select 200 additional nurse pupils for training commencing from 1963 in the following institutions :—

Name of the institution.	*Number of pupils allotted.*
(1) Government General Hospital, Madras	47
(2) Government Stanley Hospital, Madras	35
(3) Government Headquarters Hospital, Coimbatore ...	47
(4) Government Erskine Hospital, Madurai ...	43
(5) Government R.M. Hospital, Thanjavur	28
Total ...	200

TRAINING OF 150 PHARMACISTS.

	(RS. IN LAKHS.)
Third Plan Provision	6·00
Actuals for 1961–62	0·81
Revised Estimate for 1962–63	1·05
Budget Estimate for 1963–64	2·86
Total for three years ...	4·72

There is a dearth of pharmacists in the State consequent on the enforcement of the Drugs Act, 1940, which requires each pharmacy to have a qualified pharmacist in it.

It is proposed to train 150 additional pharmacists during Third Five-Year Plan period, in addition to the existing annual admission of 200 pharmacists for training, viz., 100 at Madras Medical College, Madras, and 100 at Madurai Medical College, Madurai.

During 1961–62, additional 50 pharmacists have been admitted at Madurai Medical College, Madurai, by increasing the annual admission from 100 to 150 at the college.

It has been programmed to train 100 additional pharmacists, 50 in Madras Medical College and another 50 in Madurai Medical College in the diploma pharmacy course.

Integration of public health with basic course of nursing.

	(RS. IN LAKHS.)
Third Plan Provision	...
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·79
Budget Estimate for 1963–64	0·77
Total for three years ...	1·56

Under this scheme, it is proposed to train 12 nurse pupils in each of the Government Kasturba Gandhi Hospital for Women and Children, Madras, Erskine Hospital, Madurai, and Government Headquarters Hospital, Coimbatore.

Opening of a new Headquarters Hospital and College of Indigenous Medicine.

	(RS. IN LAKHS.)
Third Plan Provision	25·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0.001
Budget Estimate for 1963–64	0·001
Total for three years ...	0·002

Consequent on the conversion of the College and Hospital of Intergated Medicine into College of Modern Medicine (now known as Kilpauk Medical College and Hospital, Madras), it is proposed to establish one college and hospital of Indigenous Medicine in lieu of one existed previously.

Proposals are under consideration for the establishment of a College of Indigenous Medicine and for starting of Bachelor of Indigenous Medicine Course in Siddha, Ayurveda and Unani.

CONTROL OF DISEASES.

18. *Establishment of Tuberculosis Clinics in Taluk Headquarters hospitals.*

	(RS. IN LAKHS.)
Third Plan Provision	12·00
Actuals for 1961–62	2·94
Revised Estimate for 1962–63	0·50
Budget Estimate for 1963–64	...
Total for three years ...	3·44

During the Second Plan, Tuberculosis Clinics were provided in all District Headquarters hospitals. During the Third Plan, ten Tuberculosis Clinics in 10 Taluk Headquarters hospitals were originally proposed to be established. During 1961–62 and 1962–63, it was proposed to establish four Tuberculosis Clinics at the following places :—

(1) Aruppukkottai.

(2) Tiruvannamalai.

(3) Kumbakonam.

(4) Dindigul.

In view of National emergency, the Government have deferred the construction of buildings for Chest clinics at Tiruvannamalai, Kumbakonam and Dindigul. The construction of the Tuberculosis Clinic at Aruppukkottai is in progress.

A comprehensive scheme of domiciliary treatment by mobile units is contemplated for the control of tuberculosis. Three teams have been deputed for training at the National Tuberculosis Institute, Bangalore, from 1st August 1962 and further teams would be deputed. It is also proposed to establish a Demonstration and Training Centre at Madras.

19. *Improvements to Tuberculosis Sanatoria.*

	(RS. IN LAKHS)
Third Plan Provision	10·00
Actuals for 1961–62	2·73
Revised Estimate for 1962–63	1·63
Budget Estimate for 1963–64	0·90
Total for three years ...	5·26

It is proposed to increase the bed strength of the Tuberculosis Hospitals at Otteri and Nagercoil and also provide quarters for the staff employed in each of the Hospitals. It is also proposed to provide a ward of 20 beds (10 for men and 10 for women) in the compound of the Tuberculosis Institute, Chetput, for emergency cases requiring Sanatorium treatment.

During 1961–62 the bed strength of the Tiruvateeswar Tuberculosis Hospital, Otteri, has been increased by 144 beds. The construction of 60 isolation beds at Tuberculosis Sanatorium, Pennathur, North Arcot district is in progress.

Proposals for provision of 12 isolation beds in each of 12 Taluk Headquarters Hospitals and 60 additional beds at each of the Tuberculosis Sanatoria at Tambaram and Thoppur are under consideration.

20. *Establishment of* **25** *Leprosy Subsidiary Centres in all Districts.*

	(RS. IN LAKHS)
Third Plan Provision	40·00
Actuals for 1961–62	1·52
Revised Estimate for 1962-63	2·25
Budget Estimate for 1963–64	2·94
Total for three years ...	6·71

It is proposed to establish seven Government Leprosy Control Units, 128 S.E.T. Units and one Training Centre during the Third Plan period.

Three Control Units at Kancheepuram, Palani and Elathur have been opened during 1962–63. The remaining four Centres will be opened shortly. During 1963–64, the establishment of 38 S.E.T. Units have been deferred in view of National Emergency.

The Construction of staff quarters attached to the following Leprosy Subsidiary Centres are under various stages of execution :—

(1) Veeraperamanallur, South Arcot district.

(2) Sembatty, Madurai district.

(3) Paramankurichi, Tirunelveli district.

(4) Thamarapalayam, Coimbatore district.

21. *Improvements and Upgrading of Leprosy Centres.*[1]

(*a*) Leprosy Teaching and Study Centre, Tirukoilur.

(*b*) Leprosy Centre, Madurai.

(*c*) Leprosy Centre, Salem district.

	(RS. IN LAKHS)
Third Plan Provision	20·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·008
Budget Estimate for 1963–64	...
Total for three years ...	0·008

After the handing over of the Lady Willington Leprosy Sanatorium at Tirumani to Government of India, there is no major Leprosy Institutions under the control of the State Government. It was originally proposed to upgrade the three institutions at Tirukoilur, Madurai and Salem district. The construction of buildings for the Leprosy Teaching and Study Centre, Tirukoilur, is under consideration. The Training Centre for para-Medical workers included under the Scheme has been established and it started functioning from March 1962 onwards. The Training Centre for para-Medical workers started during 1961–62 will be converted into a fullfledged training centre and it is expected to function from 1963.

22. *Improvements to the upgraded Department of Venereal Diseases in Government General Hospital, Madras, and construction of buildings to Venereal Diseases Clinics in the District Headquarters Hospitals.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	0·29
Revised Estimate for 1962–63	0·007
Budget Estimate for 1963–64	0·001
Total for three years ...	0·298

It is proposed to make further improvements to the upgraded Department of Venereology, Government General Hospital, Madras.

23. *Improvements to King Institute, Guindy, Madras.*

	(RS. IN LAKHS.)
Third Plan Provision	33·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	1·05
Budget Estimate for 1963–64	4·50
Total for three years ...	5·55

It is proposed to separate and enlarge the Manufacturing section of Siras and Vaccines from the Research section in the King Institute, Guindy. This section should be able to meet the demands of the State's further requirements for Municipal and other Institutions. Two or three Medical Officers will be deputed for training in manufacturing Siras and Vaccines.

A site to house a stable for 100 horses together with the quarters for the staff working in the farm has been selected in the Nannamangalam Reserve Forest area and proposals for alienation are under consideration. It is programmed to purchase 45 horses for the King Institute, Guindy, to increase the production of anti-sera required by it. Necessary buildings will be constructed for storage of the additional sera.

24. *Establishment of a Bio-chemical Laboratory at each of the Government Kasturba Gandhi Hospital for Women and Children; Government Royapettah Hospital and Government Ophthalmic Hospital, Madras.*

		(RS. IN LAKHS.)
Third Plan Provision	... ...	5.00
Actuals for 1961–62	... ...	...
Revised Estimate for 1962–63	... ...	0.021
Budget Estimate for 1963–64	... ...	0.001
	Total for three years ...	0·022

It is proposed to open a Bio-chemical Laboratory at each of the three City State Hospitals, viz., the Government Kasturba Gandhi Hospital for Women and Children, Royapettah Hospital and Government Ophthalmic Hospital, Madras, has been programmed to include these in the building schemes of the respective hospitals.

(RESEARCH AND STATISTICS.)

25. *Grant to State Research Committees and other voluntary agencies.*

		(RS. IN LAKHS.)
Third Plan Provision	... ...	10.00
Actuals for 1961–62 ...	... ...	0·34
Revised Estimate for 1962–63	... ...	0·57
Budget Estimate for 1963–64	... ...	0·50
	Total for three years ...	1·41

The scheme is designed to encourage research in various branches of medicine under the guidance of one or more experienced workers in their respective fields and for medical relief grants are also given to voluntary agencies for opening hospitals. In 1961–62, a sum of Rs. 0·34 lakh was given as grant to the Voluntary Health Services, Mylapore, for building purposes.

26. *Other Schemes (Medical).*

		(RS. IN LAKHS.)
Third Plan Provision	... ...	10·00
Actuals for 1961–62	... ...	...
Revised Estimate for 1962–63	... ...	2·00
Budget Estimate for 1963–64	... ...	9·00
	Total for three years ...	11·00

This has been deferred in view of National Emergency. Originally it was proposed to construct new buildings for the office of Director of Medical Services. The provision made for this scheme will be utilised for other schemes like improvements to Teaching Hospitals, for which the plan provision is found inadequate.

Training of 20 Medical Officers abroad in post-graduate courses.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	5·00 *
Actuals for 1961–62	... ...	...
Revised Estimate for 1962–63	... ...	...
Budget Estimate for 1963–64	... ...	...
	Total for three years ...	...

* Represent State share only.

During the Third Plan period it is proposed to depute three or four Medical Officers every year for a period of 2 to 2½ years to enable them to acquire higher post-graduate degree qualification or experience in specialist Hospitals abroad. Two Medical Officers have proceeded abroad on short study tour for a period of four months in the first week of September 1962. During 1963–64 it has been programmed to depute two more medical officers abroad subject to availability of foreign exchange.

Family Planning.

(RS. IN LAKHS.)
(REPRESENTS STATE SHARE ONLY.)

Third Plan Provision	64.00
Actuals for 1961–62	4·75
Revised Estimate for 1962–63	5·93
Budget Estimate for 1963–64	5·53
Total for three years ...	16·21

(*a*) Opening of Family Planning Clinics in all Government Hospitals and Primary Health Centres.

(*b*) Improvements to the existing Family Planning Clinics in all District Headquarters Hospitals and Taluk Headquarters Hospitals.

(*c*) Supply of Family Planning Manuals to mothers.

(*d*) Establishment of full-time Surgical Units.

It is proposed to establish 100 urban and 150 Rural Family Planning Clinics during the Third Plan period besides improving the existing Family Planning Clinics by providing accommodation and equipment wherever necessary. Regarding opening of Rural Family Planning Clinics, it is proposed to open them in Primary Health Centres.

During 1962–63, one Rural Family Planning Clinic has been opened in the Primary Health Centre, Avadi. Three Rural Family Planning Clinic in the Poonamallee Health Unit area will be located at Mangadu, Thirumazhi and Kunnathur. Social workers will be shortly recruited and posted to these clinics.

A District Family Planning Officer has been appointed in each district to act as liason officer between the Medical department and the Development Officers, Panchayat Union Councils and the Panchayats.

It is proposed to print 5 lakhs of copies of Family Planning Manuals and distribute them to the public.

It has been programmed to establish six full-time Surgical units in lieu of 14 private approved surgeries which were abolished with effect from 1st September 1962, to cope with the increase in demand for vasectomy operations by fathers.

B. Public Health

Public Health.

	(Rs in lakhs.)
Third Plan Provision	300·00
Actuals for 1961–62	136·00
Revised Estimate, 1962–63	125·99
Budget Estimate, 1963–64	127·31
Total for three years ...	389·30

The main attempt under this head is the complete eradication of Malaria, Smallpox and Guinea Worm diseases in the State. An impetus has been given for the control of communicable diseases like Filaria, Yaws, Tuberculosis, etc., and control of other epidemic diseases like influenza, Typhoid and para-Typhoid fevers. It has also been programmed to train 120 Health Visitors and 4,000 Thayis during the Third Plan. There are in all seventeen schemes included in the Third Five-Year Plan, out of which 14 schemes are under implementation and they will be continued during 1963–64. The remaining schemes are either deferred or dropped. Details of progress made under individual schemes and the programme of work proposed for 1963–64 are set out below :—

1. *Mobile Epidemic Unit.*

	(Rs. in lakhs.)
Third Plan Provision	5·00
Actuals for 1961–62	0·57
Revised Estimate for 1962–63	0·64
Budget Estimate for 1963–64	0·32
Total for three years ...	1·53

During the second Five-Year Plan, two mobile epidemic units were constituted. Each unit consisted of one ambulance van and two jeeps with trailors manned by two Health Inspectors, two peons, and three drivers. These vehicles were very useful for the quick movement of staff and equipments and transportation of infected cases for hospitalisation and treatment. Two additional units have been sanctioned, one during 1961–62 and another in 1962–63. Of these two additional units, one was constructed in 1961–62. The three units are now stationed at Salem, Madurai and South Arcot districts. The fourth unit is being constituted. The Ambulance van of this unit, when constituted will be located at Tirunelveli and the two jeeps with trailors will be stationed at Chingleput and Ootacamund.

2. *Construction of twenty Isolation Sheds in selected Primary Health Centres.*

	(Rs. in lakhs.)
Third Plan Provision	2·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·18
Budget Estimate for 1963–64	0·20
Total for three years	0·38

The scheme envisages construction of 20 isolation sheds in selected primary health centres and it is under implementation.

3. *Training of 120 Health Visitors.*

	(Rs. in lakhs.)
Third Plan Provision	4·00
Actuals for 1961–62	0·15
Revised Estimate for 1962–63	1·38
Budget Estimate for 1963–64	0·52
Total for three years ...	2·05

It is proposed to train 120 Health Visitors during the Third Five-Year Plan, 60 in the integrated course of 30 months' duration and 60 in the 18 months' course—each in two batches and also to construct the second floor to the existing school at Triplicane for Health Visitors.

Twenty-one candidates under the 18 months' course and 23 candidates under the integrated course were recruited during October 1961 and January 1962 respectively and they are undergoing training at present. The candidates for 18 months' course are undergoing their training at the Government Training School, Triplicane, Madras and candidates under the integrated course are undergoing training at the Women and Children Hospital, Egmore, Madras. The building works are nearing completion. The 21 candidates under the 18 months' course will be completing their training by March 1963 and in their place another batch of 30 candidates will be recruited during July 1963. The candidates recruited under the integrated course will continue their training during 1963–64.

4. *Training of 4,000 Thayis.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	1·38
Revised Estimate for 1962–63	2·00
Budget Estimate for 1963–64	2·00
Total for three years	5·38

The scheme of " Training of Thayis " is under implementation from the Second Plan. The main objectives of the scheme are (1) to improve midwifery services in rural areas by utilising the existing personnel, (2) to introduce some knowledge of cleanliness in the work of the Thayis so that their practice is improved and the incidence of puerperal sepsis is reduced, (3) to wean the Thayis from adopting crude and unhygenic methods, (4) to train the Thayis to recognise conditions where she must obtain assistance from qualified staff and (5) to help the Thayis to be an agent between the Maternal and Child Welfare Services of the area and the families she is serving. The training which is of six months' duration is to be given by the Health Visitors and Maternity Assistants. Each trainee is supplied with a free Thayis' kit and is paid a cash reward of Rs. 180 for the entire period of training. It is proposed to train 4,000 Thayis during the Third Five-Year Plan at the rate of 800 Thayis per year. Five hundred and seventy-seven Thayis have been trained during 1961–62 and 800 Thayis are expected to be trained during 1962–63. Another 800 Thayis are targeted to be trained during 1963–64.

5. *Training of Auxiliary Health Workers.*

	(RS. IN LAKHS.)
Third Plan Provision	1·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	1·73
Budget Estimate for 1963–64	2·49
Total for three years ...	4·22

It is proposed to institute an in-service training course for a period of six months for Health Inspectors who are to be posted to Community Development Blocks as Auxiliary Health Workers. Under the scheme, ten candidates are to be trained during 1962–63 and twenty candidates during 1963–64 at the rate of ten candidates per batch.

6. *National Malaria Eradication Programme.*

	(RS. IN LAKHS.)
Third Plan Provision	100·00
Actuals for 1961–62	119·66
Revised Estimate for 1962-63	102·002
Budget Estimate for 1963–64	102·82
Total for three years ...	324·482

The National Malaria Eradication Programme, which was being implemented in the State from 1958–59 continued its attack phase during 1961–62 also concurrent with the surveillance phase which was started from 1960–61 covering the entire State with 32 odd units, each covering a million population. During 1961–62, D.D.T. residual spraying of houses in endemic and hypo-endemic areas was carried out along with surveillance programmes to detect and treat fever cases by door to door visit. Passive surveillance operations in Medical institutions were also intensified.

In 1962–63, out of 32 odd units, 23 unit areas got into the phase of consolidation consequent on the withdrawal of spraying operations in these areas from 1962–63. In the remaining 9 unit areas, D.D.T. spraying is being continued during the year. The surveillance operation is being carried out in all 32 odd unit areas. Besides passive surveillance work is also intensified.

It is expected that in addition to 23 unit areas which got into consolidation from 1962–63, some more unit area will get into consolidation phase from 1963–64.

7. *National Filaria Control Programme.*

	(RS. IN LAKHS.)
Third Plan Provision	30·00
Actuals for 1961–62	3·83
Revised Estimate for 1962–63	3·33
Budget Estimate for 1963–64	3·46
Total for five years ...	10·62

The four National Filaria Control Units established in the State continue to function during the Third Plan at Kumbakonam, Chingleput, Chidambaram and Vellore. Anti-larval measures consisting of spraying with mosquito larvicidal oil supplied free of cost through the Malaria Institute of India, Delhi, combined with minor engineering works, viz., closing of cess pools, canalisation, formation of kutcha drains, filling up borrow pits, etc., were continued in all the units. The anticipated progress in 1962–63 is by means of measurements of (*a*) the Vector density, (*b*) infection rate in Vectors, (*c*) infectivity rate in vector and (*d*) the micorfilaria rate in children between 5 to 15 years for the presence of fresh infections. It has been programmed to continue the antilarval measures during the year 1963–64 also.

8. *B.C.G. Vaccination campaign.*

	(RS. IN LAKHS.)
Third Plan Provision	14·00
Actuals for 1961-62	4·03
Revised Estimate for 1962–63	3·71
Budget Estimate for 1963-64	3·90
Total for three years ...	11·64

The mass B.C.G. vaccination was started in 1954. All the districts in the State except Chingleput were covered by the first round of vaccination. The immunity confered by the B.C.G. vaccination is expected to last only for four to five years. It was therefore considered necessary to launch the second round of vaccination from April 1961. Accordingly the two units of the campaign started their programme in the districts of Salem and Coimbatore. After completing the second round in Salem district, the two units of the campaign moved to South Arcot and North Arcot districts during 1962–63. During 1963–64 it has been programmed to cover the Thanjavur and North Arcot districts.

9. *National Small-pox Eradication Programme.*

	(RS. IN LAKHS.)
Third Plan Provision	60·00
Actuals for 1961-62	1·50
Revised Estimate for 1962-63	3·37
Budget Estimate for 1963–64	3·56
Total for three years ...	8·43

The scheme aims at the complete eradication of small-pox in the State. Immediately on completion of Small-pox Eradication Pilot Project Scheme in Chingleput district. Madras City was taken up for the implementation of small-pox Eradication Programme during 1961-62 and the same was completed on 31st August 1961. A population of 10·38 lakhs was vaccinated under this programme. Subsequently certain areas in Chingleput district, not covered by the pilot project staff were taken up for vaccination and a population of 2·9 lakhs was vaccinated, at the end of November 1961. The small-pox Eradication Programme was extended to North Arcot district and a population of 2·78 lakhs was vaccinated during 1961–62. The programme was continued during 1962–63 also in North Arcot and a population of 16·46 lakhs was vaccinated up to November 1962.

A scheme of mass vaccination so as to cover the entire State has been formulated. Necessary preliminary arrangements are being made for the programme. During 1963–64 it has been programmed to cover about 110 lakhs population by mass vaccination under the programme.

10. *Immunization of pre-school children with triple vaccine.*

	(RS. IN LAKHS.)
Third Plan Provision	7·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	2 10
Budget Estimate for 1963-64	2·10
Total for three years ...	4·20

As most of the pre-school children of the age group 1–5 years are victims either to one or more of the three diseases, viz., whooping cough, tatanus and diptheria, it is considered very essential to immunize them not only to reduce mortality from those diseases which is preventable but also to reduce the morbidity among the children. All these diseases are easily preventable by the administration of the combined vaccine (Triple Vaccine). The scheme was sanctioned for implementation during 1962-63. Arrangements are being made to procure equipments, propaganda materials necessary for the Health Officer and triple vaccine. During 1963–64 it is expected that about 3·3 lakhs children will be inoculated with triple vaccine.

11. *Control of Guinea-worm disease.*

	(RS. IN LAKHS.)
Third Plan Provision	15·00
Actuals for 1961–62	1·61
Revised Estimate for 1962–63	2·51
Budget Estimate for 1963–64	2·61
Total for three years ...	6·73

Guinea-worm disease is endemic in all the districts in the State except in the Nilgiris and Kanyakumari. The districts of South Arcot and North Arcot are highly endemic. The programme is to control the disease by periodical and regular treatment of the infected drinking water sources with chemicals like D.D.T. During 1961–62, 3,392 villages were surveyed and 614 Guinea-worm cases were treated. Nine hundred water sources were treated with chemicals. Due to constant and systematic control work in 1961, as many as 389 villages have now been rendered free from infection during 1961.

During 1962–63 about 13,000 villages will be surveyed and 400 villages will become free from Guinea-worm disease due to control measure and 10,000 patients will be treated. During 1963–64 in addition to complete resurvey of villages to assess the result will be taken up for chemical treatment of water sources. Intensive Health Education regarding the mode of the spread of the disease as also the method of preventing the disease will be extended to all rural public.

12. *Eradication of Yaws diseases in Coimbatore district.*

	(RS. IN LAKHS.)
Third Plan Provision	8·00
Actuals for 1961–62	1·36
Revised Estimate for 1962–63	1·11
Budget Estimate for 1963–64	1·12
Total for three years ...	3·59

This disease is prevalent among the backward people in the plains and tribal people living in the hill areas in certain taluks of Coimbatore district. The objective of the scheme is to trace out every person suffering from yaws, give him proper treatment and thus control and eventually eradicate this disease from the area. During 1961–62 a total of 1,873 villages were surveyed and 2,922 cases were detected out of which 1,483 cases were treated. During 1962–63, 2,269 villages are targetter to be surveyed and a total of 2,313 yaws cases will be treated before the end of the year. During 1963–64, 3,000 villages and hamlets will be taken up for survey and all the cases found suffering from the disease will be treated.

13. *Construction of Maternity and Child Welfare Centre Buildings.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	...
Budget Estimate for 1963–64	...

The scheme has been dropped since the Maternity and Child Welfare Centres have been transferred to the control of Panchayat Union Councils.

14. *Provision of Sanitary Facilities in Schools.*

	(RS IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	0·08
Revised Estimate for 1962–63	1·60
Budget Estimate for 1963–64	1·80
Total for three years ...	3·48

The scheme contemplates the provision of a drinking water well and latrine-*cum*-urinal for every school during the Third Five-Year Plan period. Five hundred schools have been selected for implementation of the scheme. The implementation of the scheme has been entrusted to Panchayat Unions. The District Development Councils are in-charge of selection of schools for implementation of the scheme. During 1962–63, 100 schools have been programmed to be provided with such facilities. During 1963–64 another 100 schools will be selected for implementation of the scheme.

15. *School Medical Inspection.*

	(RS. IN LAKHS.)
Third Plan Provision	10·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	...
Budget Estimate for 1963–64	...

The scheme has been deferred in view of National Emergency.

16. *Development of Public Health Laboratory Services.*

	(RS. IN LAKHS.)
Third Plan Provision	12·00
Actuals for 1961–62	1·50
Revised Estimatef for 1962–63	0·081
Budget Estimate for 1963–64	0·001
Total for three years ...	1·582

For the establishment of Public Health Laboratories in the State, with necessary administrative buildings, a lumpsum provision of Rs. 12·00 lakhs has been made in the Plan. Dr. U. Krishna Rao has reviewed the various proposals. With reference to the recommen-
U. Krishna Rao has reviewed the various proposals. With reference to the recommendations made by the Committee certain proposals are under consideration. A site for the location of Public Health Institute in the City is under selection.

17. *Establishment of Epidemiological Unit at the Directorate of Public Health, Madras.*

	(RS. IN LAKHS.)
Third Plan Provision	2·00
Actuals for 1961–62	0·33
Revised Estimate for 1962–63	0·25
Budget Estimate for 1963–64	0·41
Total for three years ...	0·99

There are frequent epidemics of Small-pox, Cholera, Influenza, Typhoid and Para Typhoid fevers. There are several other diseases which are endemic and common. These require prompt and extensive investigations for proper diagnosis and control measures. For this purpose, an epidemiological unit has been established in the Directorate of Public Health, Madras. A mobile laboratory also forms part of the unit. During 1961–62, one Health Officer assumed charge as Epidemiologist of the unit and toured various municipalities to investigate into the cause and source of infection. During 1962–63, a chassis has been purchased for the construction of a Mobile Laboratory van. The van body is being constructed. During 1963–64 the Laboratory staff and epidemiologist will visit the places where there are heavy outbreaks of epidemic diseases to conduct field and laboratory tests and to suggest preventive and control measures.

C. WATER SUPPLY AND SANITATION.

	(RS. IN LAKHS.)
Third Plan Provision	1,100·00
Actuals for 1961–62	197·12
Revised Estimate for 1962–63	230·21
Budget Estimate for 1963–64	253·89
Total for three years	681·22

1. *Urband Water-supply and Drainage Scheme.*

Third Plan Provision	750·00
Actuals for 1961–62	113·05
Revised Estimate for 1962–63	133·72
Budget Estimate for 1963–64	104·96
Total for three years	351·73

The scheme envisages provision of water-supply and drainage facilities for the urban areas in the State, excluding the Madras City. The following 24 Water-supply Schemes and three Drainage Schemes have been carried over from the Second Plan and are under implementation from 1961–62.

SCHEME. (1)	ESTIMATED COST. (2) (RS. IN LAKHS.)
Municipal Schemes—	
1 Salem Water-Supply Improvements Scheme Improvements to Distribution system.	45·75
2 Coimbatore Water-Supply Improvements (I Phase) Scheme	72·25
3 Tiruppur Water-Supply Improvements Scheme	108·45
4 Ootakamund Water-Supply improvements Schemes	17·00
5 Udumalpet Water-Supply Scheme	23·56
6 Tiruchirappalli Water-Supply Improvements to distribution System II Phase.	28·91
7 Virudhunagar Water-Supply Improvements Scheme	31·44
8 Thanjavur Water-Supply Improvements Scheme	37·30
9 Vellore Water-Supply Schemes—Improvements	14·53
10 Nagapattinam Water-Supply Scheme	14·00
11 Rajapalayam Water-Supply Scheme	43·55
12 Pollachi Water-Supply Improvements Scheme	25·00
13 Nagercoil Water-Supply Improvements Scheme	7·64
14 Colachel Water-Supply Scheme	6·65
15 Kuzhithurai Water-Supply Scheme	10·49
Panchayat Schemes—	
16 Tenkasi Courtallam, etc., Water-Supply Scheme	30·38
17 Bhavani and Komarpalayam Water-Supply Scheme	12·93
18 Anamalai Vettaikaranpudur, Kottur and other panchayats	16·19
19 Satyamangalam Water-Supply Scheme	9·24
20 Idappadi Water-Supply Scheme	12·31
21 Kaveripattinam Water-supply Scheme	3·58
22 Yercaud Water-Supply Scheme	4·51
23 Velur Water-Supply Scheme	4·67
24 Peranambet Water-Supply Scheme	8·50
Total Water-Supply Schemes	593·83
Drainage Schemes—	
Municipal Schemes—	
Kumbakonam Drainage Scheme	73·63
Tuticorin Drainage Scheme II Phase	3·28
Panchayat Schemes—	
Sathur Drainage Schemes	5·36
Total	82.27
Total for Urban Water-Supply and Drainage Schemes (Spill-over)	676·10

Considerable progress has generally been achieved on these schemes. Particularly the following twelve Water-supply Schemes have been brought to beneficial use :—

Municipal Schemes—

1 Salem Water-supply Improvements Scheme.

2 Coimbatore Water-supply Improvements Scheme—I Phase.

3 Tiruppur Water-supply Scheme.

4 Udumalpet Water-supply Scheme.

5 Trichy Water-supply Improvements Scheme.

6 Vellore Water-supply Improvements Scheme.

7 Pollachi Water-supply Improvements Scheme.

8 Nagercoil Water-supply Improvements Scheme.

9 Virudunagar Water-supply Improvements Scheme.

10 Thanjavur Water-supply Improvements Scheme.

11 Nagapattinam Water-supply Improvements.

Panchayat Scheme—

12 Tenkasi-Courtallam Water-supply Scheme.

The following schemes have been taken up and are likely to be taken up during 1961–62 and 1962–63 :—

SCHEMES.	ESTIMATED COST. (RS. IN LAKHS.)
1961–62—	
1 Gudiatham Water-supply Scheme Improvement	20·05
2 Sankarankoil, Puliangudi Water-supply Scheme	23·60
3 Allinagaram Water-supply Scheme	6·50
4 Namakkal Water-supply Scheme	22·04
5 Suramangalam Water-supply Scheme	1·25
6 Chidambaram Drinage Scheme	22·00
7 Thirumangalam Drainage Scheme	3·50
1962–63—	
1 Thiruppathur Water-supply Scheme	27·17
2 Rasipuram Water-supply Scheme	19·00
3 Palni Water-supply Improvement Scheme	28·14
4 Mayuram Water-supply Improvement Scheme II Phase	15·06
5 Manargudi Water-supply Improvements Scheme II Phase	5·00
6 Pudukottai Water-supply Scheme II Phase	15·00
7 Erode Water-supply Scheme Final Phase	6·73
8 Madurai Water-supply Scheme Improvements II Phase	89·30
9 Cuddalore Water-supply Improvements II Phase	5·77
10 Tiruvottiyur Water-supply Scheme	5·47
11 Pattukottai Water-supply Scheme	18·00
12 Tiruchengode Water-supply Scheme	20·62
13 Paramakkudi Water-supply Scheme	8·77
14 Wandiwash Water-supply Scheme	10·00
15 Tirukkalikundram Water-supply Scheme	11·86
16 Coimbatore Drainage Scheme	93·35
17 Lalgudi Drainage Scheme	1·82
18 Alandur Drainage Scheme	5·76

In addition to this it is proposed to take up the following new schemes for implementation during the year 1963–64 :—

SCHEMES.	ESTIMATED COST. (RUPEES IN LAKHS.)
1 Karaikudi Water-supply Scheme Improvements	18·00
2 Trichy Water-supply Improvements Schemes II Phase	25·00
3 Krishnagiri Water-supply Scheme	15·00
4 Mannargudi Drainage Scheme	3·34

2. *Water-snpply and Drinoge Schemes of Mndras Corporation.*

	(RS. IN LAKHS.)
Third Plan Provision	200·00
Actuals for 1961-62	46·18
Revised Estimate for 1962–63	81·39
Budget Estimates for 1963–64	145·00
Total for three years ...	272·57

The water-supply system of the city was designed to meet the needs of 5·25 lakhs of people. The population of the city has grown enormously and it has become an urgent problem to improve the water-supply and drainage system in the city to meet the present day needs. This question has been engaging the serious attention of the Government. The Third Plan accordingly provides for a number of schemes to improve the water-supply and drainage facilities. The progress made during 1961–62 and 1962–63 and the programme for 1963–64 are given below :—

WATER-SUPPLY SCHEMES.

(1) *Spill-over schemes*.—Most of the spill-over schemes included in Third Plan including the laying of separate 33 inches pumping main for North Madras are in the finishing stage. The laying of 33 inches pumping main for North Madras is expected to be put into commission shortly. The release of foreign exchange from the Government of India and import release order from State Trading Corporation are awaited for installation of Diesel Generators and pumping units at Kilpauk Water Works.

(2) NEW SCHEMES.

Construction of a Conduit from Poondi to Red Hills.

Water from Poondi Reservoir is being conveyed to Red Hills now through the river-bed of the Courtelayar. The transmission losses are estimated at the equivalent to 8 to 8½ million gallons of water a day. This can be saved if a conduit is constructed from Poondi to Red Hills. The Government have under consideration the open lined channel instead of a closed masonry conduit and detailed estimates are under preparation. The work relating to acquisition of lands necessary for construction of the conduit is being attended to by the Revenue Divisional Officer, Chingleput, at a cost of Rs. 4·50 lakhs. Besides this, the following new schemes are under various stages of execution and preparation :—

(1) Installation of mechanical filters of 30 m.g.d. capacity.

(2) 1·50 million gallons overhead tank at Kilpauk Water Works.

(3) One No. additional underground tank at Kilpauk Pumping Station.

(4) Construction of Research Laboratory at Kilpauk Pumping Station.

(5) Construction of two settling tanks.

(6) Laying Trunk Mains for Zone 3, 5 and 8B.

(7) Feeder main and distribution mains in other zones.

(8) Distribution mains in the city (new layouts).

(9) Head works for Zones 6A, 7, 8B, 8C and 9 at T. Nagar.

(10) Trunk mains for Zone 8C.

(11) Feeder mains and distribution mains for Zone I.

(12) Trunk main for Zone 8A.

(13) Purchase of water lorries.

Every effort is being made to push through the work and complete most of the schemes within the Third Plan period.

DRAINAGE SCHEMES.

Consequent on rapid expansion of the City and influx of the population, the existing drainage system has become inadequate. Hence the system has to be redesigned for the entire City. A Comprehensive Drainage Scheme has been prepared dividing the whole city into five zones. It is proposed to divert the sewage in five different parts instead of letting all the raw sewage into the sea in the midst of populated area as at present. Suitable head works and partial purifications wherever necessary are proposed to be installed and utilise the sewage as far as possible for farming and irrigation. The following major improvement schemes are contemplated to be taken up in the Third Five-Year Plan.

Zonal Scheme I.—This is for the northern part of the City involving the laying of new main Pumping Main, new Intercepting Sewers, reconstruction of Gravitation main, etc. The materials are being received and the execution of work has been started from the current year 1962–63. By the end of next year 1963–64 about 30 per cent of the works of this Zone is expected to be completed.

Zonal Scheme II.—This is for the western part of the City comprising Kilpauk, Purasawalkam, Perambur, Sembiam, Ayanavaram, etc. The Scheme contemplates the laying of new Pumping Mains and Gravitation Sewers in the west of the city up to the sewage farm at Kodangaiyur and other additional work including improvements and electrification of Drainage Pumping Stations in the Zone. The works will be taken up for execution shortly.

Zonal Scheme III.—This is for laying a new Drainage Scheme inclusive of installing pumping stations, disposal works, laying of pumping mains, installation of pumps, etc., for Kodambakkam which comes under the extended area of the city. The works are in progress and about 40 per cent of the work will be completed by the end of 1963–64.

Zonal Scheme IV.—(*Guindy and Alandur*).—This comprises the South-western parts of the City's extended areas of Saidapet, West Mambalam, Guindy, etc. Major portion of the work in this zone was completed during Second Plan period itself and only spill-over works are being undertaken during the Third Plan period. Plans and estimates are under preparation and the work will be taken up after 1963–64.

Zonal Scheme V.—This scheme is for the improvements of the Drainage system in the southern part of the City which happens to be the worst affected area. This comprises the areas south of Napier Park, including Triplicane, Mylapore, Adyar, Gandhi Nagar etc. The major work of this zone is laying a pumping main from Adayar Pumping Station to Disposal Works. Action is being taken for purchase of cast iron pipes and other materials. Work will be taken up after 1963–64.

Electrification of Pumping Station.

To facilitate speedy disposal of the sewage in the City, it is proposed to electrify the following five pumping stations in the first stage during the Third Plan period: (1) Tondiarpet 'B' Pumping Station, (2) Tondiarpet 'C' Pumping Station, (3) Kilpauk Pumping Station, (4) Mylapore Pumping Station and (5) Purasawalkam Pumping Station. The electrification works at Kilpauk Pumping station are in progress. The electrification of other pumping stations will also be taken up shortly.

Storm Water Drainage.

Several parts of the City are badly affected by floods during monsoons. The inundation of low lying areas and hutting grounds have become a common feature. To avoid the recurrence of such flooding it is proposed to construct suitable storm water drains in different parts of the City. The works are in full swing. There is every possibility that the major part of the City would be provided with Storm Water Drains by the end of 1964–65.

3. *Rural Water supply and Sanitation Schemes.*

	(RS. IN LAKHS.)
Third Plan Provision ...	150.00
Actuals for 1961–62 ...	37·89
Revised Estimate for 1962–63 ...	15·10
Budget Estimates for 1963–64 ...	3·93
Total for three years ...	56·92

Under this head there are two schemes, viz., Rural Water-supply (Comprehensive) Scheme and the National Water-supply and Sanitation (Rural) Scheme.

(1) *Rural Water-supply (Comprehensive) Scheme.*

	(RS. IN LAKHS.)
Third Plan Provision ...	116.00
Actuals for 1961–62 ...	23.69
Revised Estimate for 1962–63 ...	0·31
Budget Estimate for 1963–64 ...	...
Total for three years ...	24·00

This scheme has since been merged with the Village Works Grant Programme of the Panchayat Unions under which adequate sums will be sent on the expansion of water-supply in rural areas.

(ii) National Water-supply and Sanitation (Rural).

	(RS. IN LAKHS.)
Third Plan Provision	34.00
Actuals for 1961–62	14.20
Revised Estimate for 1962–63	14.79
Budget Estimate for 1963–64	3·93
Total for three years ...	32·92

The object of this scheme is to eradicate water-borne-diseases such as cholera, typhoid, etc., in villages with a population of not more than 5,000 by providing adequate protected water-supply and sanitation facilities. Bore-wells or piped water-supply with overhead tanks and taps are provided under the scheme besides repairing old wells. Sanitary facilities are provided by constructing bore hole latrines in individual houses and community latrines for the common use of the villagers. A contribution of 5 per cent is collected from beneficiaries. It is waived in the case of works meant exclusively for Harijans, poor and Backward people.

The programme is now in execution in the districts of South Arcot, Thanjavur, Tiruchirappalli, Ramanathapuram, Tirunelveli, Chingleput and Kanyakumari. The works already taken up under the Second Plan are being completed.

During 1961–62, 110 works have been completed. It has been programmed to complete the remaining 358 works during 1962–63. In any case the Third Plan target of 468 works will be achieved during 1963–64 by taking up and completing the incomplete works, if any.

Housing and Urban Development

	(RS. IN LAKHS.)
Third Plan Provision.	700.00
Actuals for 1961–62.	113.67
Revised Estimate for 1962–63 ..	131.67
Budget Estimate for 1963–64 ..	91.61
Total for three years ...	336·95

XX HOUSING AND URBAN DEVELOPMENT

In order to mitigate the housing shortage and also to encourage the development of towns on proper lines, a large pragamme of housing is being undertaken year after year. The State Housing Board is the co-ordinating authority for the various housing schemes implemente in this State.

In the light of the National Emergency, the Government reviewed the policy in regard to housing programmes executed through the State Housing Board and other agencies, and issued the following instructions for the guidance of the concerned authorities :—

(i) No new projects under the centrally assisted schemes should be taken up.

(ii) Even projects which have been already sanctioned, but work in respect of which has not actually commenced, should be deferred.

(iii) The balance of the budget provision in 1962–63 and the budget provision for 1963–64 should be utilised for completion of incomplete buildings.

(iv) No new loans should be advanced under any of the Co-operative Housing Schemes, and the balance of budget provision in 1962–63 and the budget provision for 1963–64 should be utilised only for sanction of further instalments of loans to persons to whom one or more instalments of loan have already been granted.

(v) In regard to centrally sponsored schemes like slum Improvement/Clearance Scheme, the State Housing Board shall be free to adjust its programme and projects within the Plan provision agreed to for 1962–63 and 1963–64.

(vi) The scheme of Bulk Acquisition of lands in the neighbourhood of big towns shall be proceeded with subject to quarterly review in the light of resources. The essential minimum of development in respect of lands acquired under the Bulk Acquisition Scheme shall also be undertaken to the extent needed for the implementation of the housing projects undertaken in accordance with the principles enunciated by Government in the matter.

CENTRALLY ASSISTED SCHEMES.

I. Subsidised Industrial Housing.

	(RS. IN LAKHS.)
Third Plan Provision	200·00
Actuals for 1961–62	27·94
Revised Estimate for 1962–63	44.00
Budget Estimate for 1963–64	21·05
Total for three years ...	92·99

The scheme is implemented through the following agencies :—

(i) *Government Projects.*

	(RS. IN LAKHS.)
Third Plan Provision	125·00
Actuals for 1961–62	12·42
Revised Estimate for 1962–63	20·00
Budget Estimate for 1963–64	9·86
Total for three years ...	42·28

During 1961–62, 218 houses for industrial workers were completed. As against the target of 470 houses for 1962–63, 140 houses have been completed. Eighty-eight houses have reached the plinth level and 52 houses have come up to the roof level.

(ii) *Co-operative Projects.*

	(RS. IN LAKHS.)
Third Plan Provision	50·00
Actuals for 1961–62	14·10
Revised Estimate for 1962–63	20.00
Budget Estimate for 1963–64	10.19
Total for three years ...	44·29

Loans and subsidies are given to the housing societies composed of industrial workers on the basis of the standard cost of tenements fixed by the Government of India.

During 1961–62, 405 houses were constructed. The target of 360 houses for 1962–63 is expected to be achieved shortly.

(iii) *Private Industrial Projects.*

	(RS. IN LAKHS.)
Third Plan Provision	25·00
Actuals for 1961–62	1·42
Revised Estimate for 1962–63	4.00
Budget Estimate for 1963–64	1.00
Total for three years ...	6·42

Private employers are given a loan of 50 per cent of the cost and 25 per cent of the cost, as subsidy. During 1961–62 a sum of 1·42 lakhs was disbursed to the employers and 54 houses were constructed. Before the end of March 1963, it is expected that the loans and subsidies for the construction of 100 houses will be disbursed to the private employers.

II. PLANTATION LABOUR HOUSING.

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	0·19
Revised Estimate for 1962–63	1·75
Budget Estimate for 1963–64	0.90
Total for three years ...	2·84

In order to assist small planters to discharge their obligations of providing housing accommodation to resident workers and their families in plantations, loans are given for construction of houses, recoverable in 30 equal annual instalments.

During 1961–62, a sum of Rs. 0·19 lakh was given as a loan for the construction of 20 houses. In 1962–63, it is expected that a sum of Rs. 1.75 lakhs will be disbursed as loans to the planters for the construction of 100 houses.

III. VILLAGE HOUSING PROJECT.

	(RS. IN LAKHS.)
Third Plan Provision	25·00
Actuals Estimte for 1962–63	7·99
Revised Estimate for 1962–63	9.87
Budget Estimate for 1963–64	6·31
Total for three years ...	24·17

This scheme forms part of the alround economic development of rural areas in the State. Loans not exceeding Rs. 2,000 each are granted to villagers of selected villages. The loans are recoverable in 20 equal instalments.

During 1961–62, 555 houses were constructed and in 1962–63, 500 houses are expected to be completed.

IV. Low Income Group Housing.

	(Rs. in lakhs.)
Third Plan Provision	320·00
Actuals for 1961–62	55·50
Revised Estimaate for 1962–63	51·04
Budget Estimate for 1963–64	35·71
Total for three years ...	142·25

Under this scheme, the Government of India give loans to State Governments to enable construction of new houses for persons in the Low Income Group. The loans are repayable in a period not exceeding 30 years. The money so received from the Government of India will be advanced to individuals with an annual income not exceeding Rs. 6,000. In order to enable the State Government to acquire suitable sites and sell them after development to parties applying for aid under this scheme, the Government of India will also advance separate loans repayable within five years during which period the sites must be sold on a no-profit no-loss basis to the intending house owners. In this State, the scheme is being implemented through the State Housing Board Co-operative Societies and Local Bodies.

(i) *State Housing Board.*

	(Rs. in lakhs.)
Third Plan Provision	145·00
Actuals for 1961–62	25·00
Revised Estimate for 1962–63	25·00
Budget Estimate for 1963–64	21·58
Total for three years ...	71·58

Thirty-two houses were constructed in 1961-62. During 1962-63, 450 houses are expected to be constructed.

(ii) *Co-operative Societies.*

	(Rs. in lakhs.)
Third Plan Provision	125·00
Actuals for 1961–62	23·77
Revised Estimate for 1962–63	25·00
Budget Estimate for 1963–64	13·00
Total for three years ...	61·77

During 1961–62, 525 houses were constructed. In 1962–63, it is expected that the construction of 300 houses will be completed.

(iii) *Local Bodies.*

	(Rs. in lakhs.)
Third Plan Provision	50·00
Actuals for 1961–62	6·73
Revised Estimate for 1962–63	1·04
Revised Estimate for 1963–64	1·13
Total for three years ...	8·90

The Local Bodies are expected to meet 20 per cent of the cost from their funds. Not more than 25 per cent of the houses can be allotted to their employees. They are also required to allot another 25 per cent to the non-Gazetted Government Officers.

A sum of Rs. 6·73 lakhs was disbursed to the Local Bodies and 63 houses were constructed during 1961–62.

CENTRALLY SPONSORED SCHEME.

V. Slum Improvement/Clearance.

	(Rs. in lakhs.) Total cost.	State's share.
Third Plan Provision	300·00	75·00
Actuals for 1961–62	35·17	8·78
Revised Estimate for 1962–63	60·00	15·00
Budget Estimate for 1963–64	64·42	15·00
Total for three years ...	159·59	38·78

The scheme is intended for the benefit of the slum dwellers. There are two patterns of development under this scheme, one is by providing open developed plots and the other by constructing tenements. Subsidy and loan are obtained from the Government of India for the implementation of the scheme. The Government of India bear 75 per cent of the expenditure, 37½ per cent as loan and 37½ per cent, as subsidy. In addition to Madras City, the scheme has been extended to Madurai, Coimbatore, Tiruchirappalli, Salem and Tirunelveli.

In 1961–62, 2,014 open plots were developed and 224 tenements constructed. During 1962–63, the target of 1,227 open developed plots and 1,284 tenements is expected to be achieved. The programmes for 1963-64 are 2,900 open developed plots and 350 tenements.

VI. Land Acquisition and Devevelopment.

	(Rs. in lakhs.)
Third Plan Provision	170·00
Actuals for 1961–62	70·34
Revised Estimate for 1962–63	70·00
Budget Estimate for 1963–64	70·00
Total for three years ...	210·34

(Cost entirely met under Central Plan.)

Under this scheme, the State Housing Board has proposed to develop five neighbourhood projects, viz., Kodambakkam Pudoor, South Madras, North Madras, West Madras and Mid-West Madras. It is also proposed to acquire lands in Madurai, Coimbatore and Tiruchirappalli.

In 1961–62, 290 acres of lands were acquired and developed. Before the end of March 1963, 425 acres will be acquired. The target for 1963-64 is 3,168 acres.

VII. Town-Planning.

	(Rs. in lakhs.)
Third Plan Provision	75·00
Actuals for 1961–62	13·27
Revised Estimate for 1962–63	10·01
Budget Estimate for 1963–64	12·64
Total for three years ...	35·92

Expansion of existing cities, towns, and villages has been very rapid, consequent on the growth of industrialisation and other developmental activities. It has, therefore, become essential to plan for controlled development of urban areas and to regulate the use and development of land in an orderly manner both in urban and rural areas.

Under the Third Five-Year Plan, the following three schemes have been undertaken for implementation :—

(1) *Town-Planning and Development Schemes.*

	(Rs. in lakhs.)
Third Plan Provision	56·65
Actuals for 1961–62	12·05
Revised Estimate for 1962–63	8·54
Budget Estimate for 1963–64	10·00
Total for three years ...	30·59

The scheme is a continuation of the one already implemented under the Second Five-Year Plan. It provides for grant of financial assistance by way of loans to local bodies for the preparation and execution of Town-Planning Schemes, undertaken under the provisions of the Madras Town-Planning Act, 1920.

A Town-Planning Scheme will provide for the development of a selected area (about 150 acres) with full amenities such as parks, schools, playgrounds, shopping centres, roads and housing and will also provide for water-supply, drainage and lighting and will regulate the development of that area according to Town-Planning principles.

A sum of Rs. 12·05 lakhs was disbursed as loans to local bodies for the preparation of 45 Detailed Town-Planning Schemes during 1961–62.

In 1962–63, it is expected that 52 Town-Planning Schemes will be finalised.

A sum of Rs. 10·00 lakhs has been provided for 1963–64 and the target is 52 Town-Planning Schemes.

(2) *Schemes for the preparation of Outline Development Plans and Master Plans.*

	(RS. IN LAKHS.)
Third Plan Provision ...	10·14
Actuals for 1961–62 ...	0·73
Revised Estimate for 1962–63 ...	0·82
Budget Estimate for 1963–64 ...	1·49
Total for three years ...	3·04

The object of this scheme is to prepare Outline Development Plans, i.e., sketch Master Plans for 22 Municipal towns during the Third Five-Year Plan period. An Outline Development Plan for a Town will include in respect of a Town and its vicinity, proposals for zoning of lands for various uses, regulations relating to the use of lands under each zone and will also provide a full development pattern for the area for transport and communications, water-supply, drainage, lighting and civic amenities for the immediate and future needs of the people.

The Master Plans will be prepared by the specialised technical cell of the Town-Planning Department for and on behalf of the municipal bodies.

During 1961–62, work was taken up in three municipal towns, viz., Coimbatore, Pollachi and Srirangam and all field investigation and survey works in these towns were completed. There was one mobile field investigation unit in operation and one drawing designing unit was also organised at Madras as from October 1961. The field work in respect of Tiruchirappalli Town has been completed during 1962–63. The work relating to Tiruppur will be taken up shortly and it will be completed during 1963–64.

(3) *Schemes for the preparation of Regional Plans.*

	(RS. IN LAKHS.)
Third Plan Provision ...	8·21
Actuals for 1961-62 ...	0·49
Revised Estimate for 1962–63 ...	0·65
Budget Estimate for 1963–64 ...	1·15
Total for three years ...	2·29

The scheme provides for the making of a Regional Plan for certain specially selected important rural regions which are specially resurgent and vulnerable to intensive development.

Two such regions selected for operation are—

(i) The Suburban Region around the Madras City Metropolitan area: and

(ii) The Suburban Region around the Coimbatore Metropolitan area. Each such region will be delimited through geographic and demographic studies and is expected to cover about 500 to 1,000 square miles.

A Regional Plan would provide a basic plan for the integrated development of all land for the most economic use and the development of a circulation pattern for transport and communications and also pave the way for the development of all natural resources and of village development and redevelopment. In such a Plan all developmental activities can be fitted in. The plan is made through intensive studies organised in the area.

A sum of Rs. 0·49 lakh was spent during 1961–62 on staff and equipment needed for making survey and field investigation work in respect of suburban region around Madras City. The survey work has been started in 1962–63 and it is expected to be completed shortly.

Centrally Sponsored Schemes.—The following projects have been taken up for execution under the Centrally Sponsored Scheme :—

1. Master Plan for Madras City Metropolitan area;
2. Master Plan for Tuticorin Harbour Town; and
3. Master Plan for Coimbatore Metropolitan Area.

Survey work and field investigation have been started in 1962-63. Intensive survey will be done during 1963–64 with increased field staff.

Welfare of Backward Classes.

	(RS. IN LAKHS.)		
	Grants-in-aid Schemes.	*Centrally sponsored scheme.*	*Total.*
(1)	(2)	(3)	(4)
Third Plan Provision ..	326·00	212·00	538·00
Actuals for 1961-62 ..	75·40	33·51	108.91
Revised Estimate for 1962-63.	80·36	43·11	123·47
Budget Estimate for 1963-64.	74·41	43 33	117·74
Total ..	230·17	119·95	350·12

XXI WELFARE OF BACKWARD CLASSES.

The Backward Classes consist of Scheduled Tribes, Scheduled Castes, Denotified Tribes and Other Backward Classes. Though provisions in the Plan for various heads of development, such as Agriculture, Minor Irrigation, Industries, etc., are intended to benefit all classes of people in general including the Backward Classes, special programmes are found necessary for their amelioration in view of their social and economic backwardness. Provisions have therefore been made in the Plan with the object of bringing them to the level of the rest of the community. The schemes under this head are eligible for grants-in-aid from the Government of India. The details of the provisions indicated in the table above represent the expenditure under the Plan only. The bulk of the expenditure on the welfare of Backward Classes is however incurred on the non-Plan side. The details of progress made in the implementation of the plan schemes and the programme of work chalked out for 1963–64 are set out below :—

1. Grants-in-aid Schemes.

A. SCHEDULED TRIBES.

The Madras State has a (Scheduled) tribal population of 2·53 lakhs as per the census taken in 1961, as against 1·84 lakhs according to the census of 1951. For the amelioration of Scheduled Tribes, a sum of Rs. 41 lakhs has been provided in the Third Plan. The distribution of this provision under different groups of schemes and the progress made are indicated below :—

Name of group.	Five-Year provision.	Actuals 1961-62.	Revised Estimate for 1962-63.	Budget Estimate for 1963-64.
		(RUPEES IN LAKHS.)		
Education	10·00	1·02	2·13	1·97
Economic uplift	13·00	1·78	2·49	2·33
Health, Housing and other schemes.	18·00	3·27	3·74	3·86
Total ..	41·00	6·07	8·36	8·16

Education.

With a view to promote educational facilities for the Scheduled Tribes, schemes have been included in the Plan for the construction of 37 school buildings (12 for non-residential schools and 25 for residential schools), opening of six hostels with buildings for them, award of 600 scholarships to Scheduled Tribes and opening of 10 residential schools. During 1961–62, three residential schools were opened, six school buildings constructed, two hostels started and six scholarships awarded. The anticipated progress in 1962–63 is the opening of two residential schools, construction of six school buildings, starting of two hostels and award of 120 scholarships. During 1963–64, two residential schools will be started, eight school buildings constructed, one hostel newly started and 120 scholarhips awarded.

Economic uplift.

These schemes have been formulated to raise the financial status of the Scheduled Tribes and also free them from the clutches of money-lenders. About 1,500 tribal families will have this assistance. Besides, the tribal women folk will be given training in cottage industries which would enable them to eke out their livelihood. A subsidy of Rs. 400 per person is being given for the purchase of plough bulls, agricultural

implements, seeds, etc., and Rs. 1,500 for the sinking of irrigation wells. In 1961–62, 201 families were provided subsidy for the purchase of plough bulls, seeds, etc. and 31 families, for sinking irrigation wells. Besides six work training centres noted below were run during 1961–62 for the benefit of scheduled tribes :—

1 Carpentry Training Centre, Thandigudi	1
2 Training-*cum*-Production Centre in Red Pottery	1
3 Bamboo Basket-making Training Centres in North Arcot	2
4 Smithy Training Centre in Javadhi hills	1
5 One basic Carpentry Training Centre, Javadhi hills	1

During 1962–63, these institutions are being continued to be run and two work centres were started. During 1963–64 also, these institutions will be continued, besides starting suitable industries or work centres for the benefit of the Scheduled Tribes.

Health, Housing and other schemes.

This group consists of the following schemes—

(*a*) *Drinking water wells.*—The Five-Year Plan target is 200 wells. During 1961–62, 53 wells were sunk while 30 are expected to be sunk during 1962–63. It is proposed to sink 37 drinking water wells during 1963–64.

(*b*) *Mobile medical units.*—The establishment of two mobile medical units, one in Madurai district and the other at Salem has been envisaged under the Third Five-Year Plan. Action has been taken to establish a unit in Madurai district in the first instance. This will be started and continued during 1963–64.

(*c*) *Roads.*—Provision has been made to form approach roads to Scheduled Tribes hamlets, to a length of 20 miles. A road work was started during 1961–62 and the same is in progress. Similar approach roads will be formed during 1963–64.

(*d*) *Housing.*—Scheduled Tribes are found living in huts and in unhygienic surroundings, as a consequence of which they suffer from diseases. Provision has been made for providing about 1,330 tribal families with houses, during the Plan period. During 1961–62 houses were provided to 166 tribal families. Two hundred and sixty-six houses are expected to be provided to Scheduled Tribes during 1962–63, and a similar number of houses will be provided during 1963–64 also.

(*e*) *Tribunal model village.*—On the advice of the Madras Tribal Advisory Council, a tribal model village was sanctioned for construction at Nedugalcombai in the Nilgiris district. The execution of the scheme, costing about Rs. 86,400, is in progress. This will be completed during 1963–64.

B. Scheduled Castes.

During the Third Five-Year Plan, a sum of Rs. 245 lakhs has been provided for the welfare of Scheduled Castes. Out of this a sum of Rs. 55·35 lakhs has been spent during 1961–62 and Rs. 57·63 lakhs have been provided in 1962–63, and Rs. 53·16 lakhs for 1963–64 on the various schemes as detailed below :—

	Five-Year provision.	1961–62 Actual.	R.E. for 1962–63.	B.E. for 1963–64.	Total for Three Years.
(1)	(2)	(3)	(4)	(5)	(6)
		(RS. IN LAKHS.)			
Education	105·00	26·82	32·13	28·11	87·06
Agriculture	35·00	6·77	7·00	7·00	20·77
Land colonization	25·00	2·58	5·00	5·00	12·58
Cottage industries	40·00	6·77	6·50	6·50	19·77
Housing	40·00	12·41	6·00	6·30	24·71
Construction of Community halls ..	..	..	1·00	0·25	1·25
Total ..	245·00	55·35	57·63	53·16	166·14

1. *Education.*

In the programme for uplift of Harijans, emphasis is laid on the promotion of educational facilities for them. The usual schems, namely scholarships and schooling charges, midday meals for harijan children reading in elementary schools, provisions of buildings to Harijan Welfare schools and construction and maintenance of hostels will be continued in 1963–64 at a cost of Rs. 28·11 lakhs.

2. *Agriculture.*

A sum of Rs. 7 lakhs has been provided during 1962–63 towards the grant of subsidy for the purchase of plough bulls and subsidy for sinking of irrigation wells. One thousand and two hundred families were benefited by the grant of subsidy for plough bulls and 150 families by the grant of assistance for irrigation wells during 1962–63.

During the year 1963–64, the programme will be continued with similar targets.

3. *Land colonization.*

During 1962–63, a sum of Rs. 5 lakhs has been provided for this scheme and another sum of Rs. 5 lakhs for 1963–64. There will be 46 colonization societies by the end of 1962–63 and 25 more societies will be established in 1963–64.

4. *Cottage industries.*

During the year 1962–63, a sum of Rs. 6·50 lakhs has been provided towards cottage industries. Out of this provision, a sum of Rs. 2·50 lakhs has been distributed for grant of subsidy to the technically trained Scheduled Caste persons in the various districts and a sum of Rs. 1·50 lakhs has been earmarked for organization of milk supply co-operative societies for Harijans. The balance of Rs. 2·50 lakhs has been allotted for development of cottage industries for the benefit of the Scheduled Castes.

For the year 1963–64 also, a sum of Rs. 6·50 lakhs has been proposed to be utilized for the continuance of these schemes.

5. *Housing.*

Houses are constructed at a cost of Rs. 1,000 each, of which Rs. 750 will be subsidy and Rs. 250 will be the beneficiary's contribution by way of labour or materials. If necessary, an interst-free loan of Rs. 250 per beneficiary is granted. A sum of Rs. 12·41 lakhs has been spent during 1961–62 and 623 houses were constructed in the year.

For the year 1962–63, a sum of Rs. 6·00 lakhs has been provided for the construction of 800 houses under this scheme and a Rs. 6·30 lakhs for the year 1963–64, towards construction of 600 houses.

6. *Community halls.*

As an experimental measure, the construction of 20 community halls in 20 taluks to begin with at the rate of one for each taluk has been sanctioned at a cost of Rs 1.00 lakh and the scheme is under implementation.

For the year 1963–64 also a sum of Rs. 0·25 lakhs has been proposed to be spent for the construction of another 5 community halls.

C. Other Backward Classes.

Award of scholarships and boarding grants are the only educational schemes taken up for the advancement of ' Other Backward Classes ' under the Plan. There is a Five-Year Provision of Rs. 40·00 lakhs for the grant of 6,000 scholarships and 6,665 boarding grants to students belonging to ' Other Backward Classes '.

During the year 1961–62, a sum of Rs. 13·98 lakhs was spent and 2,860 scholarships and 1,333 boarding grants were given. For the year 1962–63, a sum of Rs. 14·37 lakhs has been provided for a similar programme. A sum of Rs. 13.09 lakhs has been proposed for 1963-64 for the award of similar grants.

2. Centrally sponsored schemes

A. Scheduled Tribes.

There is a Five-Year provision of Rs. 2 lakhs under Centrally sponsored schemes for forming multi-purpose and forest labour co-operative societies for the benefit of Scheduled Tribes. A sum of Rs. 27,000 was spent during 1961–62 and this was utilized for three societies. A sum of Rs. 40,000 has been provided for 1962-63 and a similar sum for 1963-64 under the scheme.

B. SCHEDULED CASTES.

Under the Third Five-Year Plan, a sum of Rs. 110 lakhs has been provided for provision of house-sites and houses for sweepers and scavengers and supply of wheel barrows to local bodies. Post-Matric scholarships are also being awarded to Harijan Students under this head. The progress made on the schemes are as shown below :—

	Plan provision.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Budget Estimate for 1963–64	Total for three years.
(1)	(2)	(3)	(4)	(5)	(6)
			(RS. IN LAKHS.)		
1 House-sites for Harijans ..	60·00	11·06	10·50	10·50	32·06
2 Housing for sweepers and scavengers.	30·00	4·86	6·00	6·00	16·86
3 Wheel barrows	20·00	2·34	4·00	4·00	10·34
4 Award of Post-Matric scholarships. ..	..	4·32	4·32	4·32	12·96
Total ..	110·00	22·58	24·82	24·82	72·22

House-sites for Harijans.

House-sites are given free of cost to all Harijans who do not already own house-sites, except when they can afford to pay. During 1961–62 house-sites were provided for 2,169 Harijan families. During the year, i.e., 1962–63, a sum of Rs. 10·50 lakhs has been provided towards acquisition of lands and provision of house-sites for 2,100 families.

For the year 1963–64 a similar sum has been provided for the scheme to benefit 2,100 families.

Housing for sweepers and scavengers.

Preference is given to persons engaged in unclean occupations in provision of houses and there is a provision of Rs. 30 lakhs in the Plan for the scheme. Scheduled castes sweepers and scavengers employed in local boards will be benefited by the scheme. The expenditure on each house will be Rs. 1,000. In 1961-62, Rs. 4·86 lakhs were spent and 994 houses were provided. For 1962–63 and 1963–64, Rs. 6 lakhs have been provided for each year and the target is 1,200 houses.

Supply of wheel barrows.

In 1961–62, Rs. 2·34 lakhs were spent on the purchase and supply of wheel barrows to the scavengers who are working in the Municipalities and Panchayats and 2,016 wheel barrows were supplied. For 1962–63 and 1963–64, a sum of Rs. 4 lakhs each has been provided for implementing the scheme. About 2,000 wheel barrows will be supplied during each of these years.

Award of post-metric scholarships.

A sum of Rs. 4·32 lakhs was spent during 1961–62 and 795 students were benefited under the scheme. During the year 1962-63, a similar sum of Rs. 4.32 lakhs has been provided for the scheme to benefit 795 students. For 1963–64 also, another sum of Rs. 4.32 lakhs has been provided. The target is 795 students.

C. DENOTIFIED TRIBES.

During the Third Five-Year Plan, a sum of Rs. 100 lakhs has been provided for the welfare of Denotified Tribes. During 1961–62, a sum of Rs. 10·66 lakhs has been spent. The expenditure anticipated during 1962–63 is Rs. 17.89 lakhs. These schemes will be continued during 1963–64 also with a provision of Rs. 18·11 lakhs. The details of the progress made under this head are as indicated below :—

	Five-Year provision.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Budget Estimate for 1963–64.	Total for three years.
(1)	(2)	(3)	(4)	(5)	(6)
			(RS. IN LAKHS.)		
Education	37·00	4·15	7·11	7·30	18·56
Agriculture	25·00	2·45	3·52	3·50	9·47
Cottage Industries ..	13·00	0·91	2·20	2·20	5·31
Houses	25·00	3·15	5·06	5·11	13·32
Total ..	100·00	10·66	17·89	18·11	46·66

Under the head " Education ", the following schemes are being implemented :—

(1)	Five-Year provision. (2)	Actuals for 1961–62. (3)	Revised Estimate for 1962–63. (4)	Budget Estimate for 1963–64. (5)	Total for Three Years. (6)
			(RS. IN LAKHS.)		
Pre-metric scholarships ..	12 00	2·71	2·70	2·70	8·11
Midday meals	10·00	0·81	1·59	1·60	4·00
Construction and maintenance of Boarding Homes.	15·00	0·33	2·27	2·45	5·05
Boarding grant	..	0·30	0·55	0·55	1·40
Total .	37·00	4·15	7·11	7·30	18·56

3,000 scholarships will be given to pupils belonging to denotified tribes in 1963–64 as in the previous years. Out of five hostels buildings proposed to be taken up for construction, plans and estimates have been prepared for the construction of Hostel buildings at Pudukkottai at a cost of Rs. 4·35 lakhs, another at Checkanurani in Madurai district at a cost of Rs. 1·42 lakhs. The construction of a Hotel building at Villivakkam at a cost of Rs. 10,000 is in progress. During the year 1963–64 a sum of Rs. 2·45 lakhs has been provided for continuing the scheme.

Agriculture.

During the year 1961-62 subsidies for purchasing 500 plough bulls and for sinking 188 irrigation wells, were given. In 1962-63 the achievement anticipated will be 500 bulls and 200 wells. Similar targets have been fixed for 1963–64.

Cottage Industries.

The object of the scheme is to create an incentive for the development of Cottage Industries among denotified tribes with subsidiary occupations. During 1961-62, a sum of Rs. 0.91 lakh was spent for starting two centres and for continuing three general purpose Engineering workshops. For the year 1962–63, a sum of Rs. 2·20 lakhs has been provided. For the year 1963–64, also, a sum of Rs. 2·20 lakhs has been proposed for the scheme.

Housing.

A sum of Rs. 3.15 lakhs was spent during 1961-62 for the construction of 421 houses for the families of denotified tribes. During the year 1962–63, a sum of Rs. 5·00 lakhs has been provided for the construction of 668 houses and for 1963–64, a sum of Rs. 5·11 lakhs, towards construction of 674 houses.

Social Welfare.

		(RS. IN LAKHS.)
Third Plan Provision	... ...	51.63
Actuals for 1961–62	... ...	0·29
Revised Estimate for 1962–63	...	6.38
Budget Estimate for 1963–64	...	4 76
Total for three years	...	11·43

XXII. SOCIAL WELFARE.

The Social Welfare Programmes aim at training and rehabilitation of the delinquents and the morally maladjusted as useful and self-supporting members of the society. Promotion of the welfare of women also forms part of the programme. The individual schemes taken up under this head and those proposed to be taken up in 1963–64 are given below :—

1. *Women's Welfare.*

(i) *Service Homes.*

		(RS. IN LAKHS)
Third Plan Provision	... ...	13·51
Actuals for 1961–62	... ...	...
Revised Estimate for 1962–63	... ...	0.23
Budget Estimate for 1963–64	... ...	0.25
Total for three years	...	0·48

During the Third Plan, it has been proposed to start four Service Homes in the districts. In these homes young widows and destitute women will be trained in suitable handicrafts so that they may be rehabilitated suitably and enabled to earn their living by honest means.

In 1962–63, one Service Home at Cuddalore has been started. There are 20 adult women and four children in the Home. The Home will have the full strength of 50 adult wmoen and 25 children before the end of March, 1963.

(ii) *Hostels for Working Women.*

		(RS. IN LAKHS)
Third Plan Provision	... ...	1·92
Actuals for 1961–62	... ...	...
Revised Estimate for 1962–63	... ...	0·18
Budget Estimate for 1963–64	... ...	0.18
Total for three years	...	0.36

Consequent on the increase in the number of working women in big cities, the question of providing accomodation to them has arisen. It has, therefore, been proposed to give building grants to private institutions running hostels for working women. It is expected that building grants will be given to two hostels one each at Coimbatore and the Nilgiris shortly. Similar grants to two more institutions will be given in 1963–64.

2. *Child Welfare—Scheme for the care of Pre-School children.*

		(RS. IN LAKHS)
Third Plan Provision	... ...	6 00
Actuals for 1961–62	... ...	..
Revised Estimate for 1962–63	... ...	4.62
Budget Estimate for 1963–64	... ...	2.80
Total for three years	...	7·42

The need for imparting pre-primary training to children of two to five years old in the formation of correct habits of mind and body which will constitute the base for formal education at the primary level has been recognised. It has been considered that the scheme to be drawn up for this purpose should integrate the care of pre-school children with the provision of maternity and child welfare and family planning services at village level. In order to provide these facilities at the village level in a satisfactory manner, the services of properly trained women village workers are required and they should be in charge of women and children welfare activities as a whole in the village. It has been recognised that the scheme should be implemented through the set-up of Panchayat Union and Panchayats and that it should form an integral part of the educational and welfare services provided by them. Keeping in view the above factors, a detailed scheme for the care of pre-school children has been formulated.

Thirty Mukya sevikas were given training for five months. Training was aso given to 730 Thais for three months. As targetted, 750 pre-school centres were opened on 14th November 1962 and they will be continued during 1963–64.

3. *Training Programme—Training of upper strata personnel of the Government Approved Schools.*

	(RS. IN LAKHS)
Third Plan Provision ...	0·25
Actuals for 1961–62 ...	...
Revised Estimate for 1962–63 ...	0·09
Budget Estimate for 1963–64 ...	0·17
Total for three years ...	0·26

It is proposed to give training to 67 members of the staff of the Government Approved Schools in correctional administration work, so as to intensify the re-orientation programme now introduced in the Approved Schools. The Madras School of Social Work, Madras has given training to twenty members during 1962–63. During 1963–64, it is proposed to give training to 30 members of the Government Approved Schools.

4. *Boys Clubs.*

	(RS. IN LAKHS)
Third Plan Provision ...	1.80
Actuals for 1961–62 ...	0.003
Revised Estimate for 1962–63 ...	0.69
Budget Estimate for 1963–64 ...	0.69
Total for three years ...	1·383

For some time past, the question of controlling juvenile delinquency has been engaging the attention of the Government. To tackle this problem, it was decided to open Boys Clubs in all important Headquarters towns, especially in slum areas as this experiment has been successfully tried in United Kingdom, United States of America, New South Wales and many other countries. With the concurrence of the Government of India, Boys Clubs were opened one each in all districts and in the city as early as in 1959 managed by a Committee consisting of the Collector of the District as President, Personal Assistant to Superintendent of Police as Secretary and representatives from Education and Health Departments, a women social worker and a leading citizen of the locality. A central committee was also formed in Madras City to correlate the activities of the District Committees. The main objects of the scheme are—

(1) To afford children (under 17 years) an opportunity of participating in healthy recreations.

(2) To inculcate an appreciation of the need of observances of the laws of the State.

(3) To instruct children in the principles of good citizenship.

(4) To encourage music, literature, arts and culture.

(5) To awaken citizens to their responsibility towards adolescents.

The activities of the Club are of the recreational, educational and social nature. They are—

(i) Out-door and in-door games;

(ii) A separate reading room with a library;

(iii) Supervised tours, quiz programmes, lectures and debates; and

(iv) Cinema show, seasonal parties, bands, plays, etc.

In the initial stage, these boys clubs, started functioning with the financial aid extended by the public and charitable persons and social service organisations and with the grants sanctioned by the Collectors. The scheme has been brought under the Third Plan and provision has been made for ten additional clubs to be established.

During the year 1961–623, Boys Clubs were functioning at Thanjavur, Madurai North, Chingleput, Kanyakumari, Tiruchirappalli, Salem, North Arcot, Madurai Urban and The Nilgiris Districts and in Madras City.

It is expected that before the end of the March 1963, six additional Boys Clubs, one each in the districts of Chingleput, Thanjavur, Tiruchirappalli, Tirunelveli, Salem and Coimbatore will be opened. The Boys clubs functioning in Ramanathapuram districts (Sivaganga and Ramanathapuram) and one club in Madras were provided with funds during 1962–63.

5. *Opening of Beggar Homes and Work Houses.*

	(RS. IN LAKHS.)
Third Plan Provision	5·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·17
Budget Estimate for 1963–64	0·31
Total for three years ...	0·48

Sanction has been recorded in 1962–63 for the establishment of a work house for beggars at Chidambaram under the control of the Municipality. To begin with, Police assistance will be given for running the work house. The work house will be established shortly.

6. *Conversion of the After-care shelter for boys, Chingleput into After-care Home for boys only.*

	(RS. IN LAKHS.)
Third Plan Provision	2·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·20
Budget Estimate for 1963–64	0·27
Total for three years ...	0·47

The object of opening a separate After-care Home at Chingleput for boys only is to provide shelter for the discharges of correctional institutions and give them intensified training in the trades taught to them aready. The Home is intended to serve the whole of Madras State. The target strength for the Home is 100. The Home has started functioning from October, 1962.

Labour Welfare.

(1)	Total Cost. (2)	State Share. (3)
	(RUPEES IN LAKHS)	
Third Plan Provision ..	332·50	133·00
Actuals for 1961-62	20·35	9·08
Revised Estimate for 1962-63.	51·98	20.67
Budget Estimate for 1963-64.	101·75	40·61
Total for three years ..	174·08	70·36

XXIII. LABOUR WELFARE.

1. *Craftsmen Training Scheme.*

	(RUPEES IN LAKHS.)	
Third Plan Provision	325·00	130·00
Actuals for 1961–62	20·35	9·08
Revised Estimate for 1962–63	51·52	20·61
Budget Estimate for 1963–64	101·09	40·44
Total for three years ...	172·96	70·13

In order to meet the growing demand for craftsmen in various engineering establishments and vocational trades on account of the rapid increase in the tempo of industrialisation of the country, a number of Craftsmen Training Schemes with the object of turning out a larger number of technically trained personnel on a country-wide basis, were drawn up and included in the Third Plan of this State.

The table below shows the achievements in 1961–62 and expected to be achieved in 1962–63 and proposed for 1963–64 for the third plan period.

Name of the Scheme. (1)	Proposed for III Plan. (2)	Achievement in 1961–62. (3)	Expected to be achieved in 1962–63. (4)	Proposed for 1963-64. (5)
1. *a.* Industrial Training Institutes	14	6	6	2
b. Seats	3,500	754	1,312	1,416
2. Apprenticeship training seats (Nos.)	2,000	400	400	400
3. Evening classes for Industrial Workers.				
a Centres	2	1	1	..
b. Seats	400	25	175	200
4. Hostels	8	Site selected work started.		
5. Staff quarters	9	Do.		

The various schemes included in the Third Plan are briefly described below :—

1. APPRENTICESHIP SCHEME.

(1)	Total Cost. (2)	State Share. (3)
	(RUPEES IN LAKHS.)	
Third Plan Provision	52·00	20·80
Actuals for 1961–62	0·29	0·11
Revised Estimate for 962-63	2·43	0·96
Budget Estimate for 1963–64	2·45	0·98
Total for three years ..	5·17	2·05

This scheme is intended to supplement the trade apprenticeship courses already in operation in industrial establishments and also to stimulate training of skilled categories of manual workers so that the number trained by the traditional apprenticeship methods may be sufficient to meet the normal losses of skilled workers at various levels of employment at any particular time. This scheme has been implemented at six centres, viz., Tiruchirappalli, Coimbatore, Madurai, Salem, Tirunelveli and additional seats added to

Madras. Two thousand seats are proposed to be introduced during the Third Plan period in the six centres in the State. Four hundred seats were introduced in 1961–62. However further implementation of the scheme was deferred due to the passing of Apprenticeship Act, 1961. The revised scheme under Apprenticeship Act, 1961, is being implemented from January 1963. The original target of 2,000 seats under the scheme will be implemented under the revised scheme under the Act.

2. *Provision of Hostels for Industrial Training Institutes.*

	(Rs in Lakhs.)	
	Total Cost.	State Share.
(1)	(2)	(3)
Third Plan Provision	21·00	8·40
Actuals for 1961–62	..	..
Revised Estimate for 1962–63	2·61	1·05
Budget Estimate for 1963–64	5·49	2·20
Total for three years	8·10	3·25

The scheme contemplates provision of hostels for eight Industrial Training Institutes at the following places :—

(1) Madurai.
(2) Coimbatore.
(3) Cuddalore.
(4) Nagapattinam.
(5) North Madras.
(6) Katpadi.
(7) Salem.
(8) Nagercoil.

The construction work at Nagapattinam, Coimbatore and Nagercoil has been started. Arrangements are being made to start the construction work at the rest of the places. Accommodation for hostel at Broadway (North Madras) has been secured at Regional School of Printing Madras.

3. *Provision of Staff Quarters.*

	(Rs. in Lakhs.)	
	Total Cost.	State Share.
(1)	(2)	(3)
Third Plan Provision	12·00	4·80
Actuals for 1961-62	0·98	0·40
Revised Estimate for 1962-63	0.61	0·24
Budget Estimate for 1963-64	3·29	1·32
Total for three years	4·88	1·96

The scheme contemplates the provision of staff quarters for the following staff in each of the nine Industrial Training Institutes given under :—

Industrial Training Institute.

1. Virudhunagar.
2. Pettai.
3. Coimbatore.
4. Madurai.
5. Nagapattinam.
6. Nagercoil.
7. Cuddalore.
8. Salem.
9. Katpadi.

The Construction work will be started during 1962–63.

4. *Evening classes for Industrial workers.*

(1)	(Rs. in Lakhs.) Total Cost (2)	State Share (3)
Third Plan Provision..	3·90	1·56
Actuals for 1961-62	0·02	0·01
Revised Estimate for 1962-63	0·16	0·06
Budget Estimate for 1963-64	0·36	0·14
Total for three years .	0·54	0·21

The object of the scheme is to conduct evening classes for industrial workers. As the scheme was ont popular only 25 seats were introduced during 1961–62 at Coimbatore.

During the current year, the scheme has been extended to Madurai from August 1962. Seventy-three workers at Coimbatore and 81 at Madurai were admitted in August 1962.

5. *Industrial Training Institute.*

(1)	(Rs. in Lakhs.) Total Cost. (2)	State Share. (3)
Third Plan Provision	210·00	84·00
Actuals for 1961-62	17·48	6·99
Revised Estimate for 1962-63	45·33	18·13
Budget Estimate for 1963-64	88·72	35·49
Total for three years..	151·53	60·61

Under the Third Five-Year Plan, it is proposed to start 14 new Industrial Training Institutes at tne following places besides the introduction of additional seats in the existing Industrial Training Institutes :—

1. Ariyalur.
2. Salem.
3. Katpadi.
4. Thanjavur.
5. Dharapuram.
6. Tiruchendur.
7. Coonoor.
8. Chingleput.
9. Mettur.
10. Tiruchirappalli.
11. Dindigul.
12. Paramakudi.
13. Ulundurpet.
14. Tiruvannamalai.

The Industrial Training Institutes at 1 to 6 above were started on 1st February 1962, and the Industrial Training Institutes at 7 to 12 were started on 1st November 1962. The Industrial Training Institutes at Ulundurpet and Tiruvannamalai will be started from 1st August 1963. The physical target achieved so far is 754 seats in 1961–62 and 1,312 in 1962–63 and that proposed, for 1963–64 is 2,066 seats.

In view of the present National Emergency, accelerated training programme were started by running a third shift from 1st February 1963. The total number of seats introduced is 1,472 seats.

Further it is proposed to start three more Industrial Training Institutes, during the third plan in addition to the two at Ulundurpet and Tiruvannamalai. Of the three, it is proposed to locate one at Pudukottai and another at Tuticorin.

6. *Strengthening of State Directorate.*

(1)	(Rs. in lakhs) Total Cost. (2)	State Share. (3)
Third Plan Provision.	5·00	2·00
Actuals for 1961-62	0·01	..
Revised Estimate for 1962-63	0·38	0·16
Budget Estimate for 1963-64	0·78	0·31
Total for three years..	1·17	0·47

The scheme relates to the strengthening of State Directorate in order to look after the additional work involved on account of the implementation of Third Plan Schemes under Craftsmen Training and additinal staff are being appointed as required.

2. *Employment Service.*

	(Rs. in lakhs). Total cost.	State share.
Third Plan provision	7·50	3·00
Actuals for 1961-62	..	..
Revised Estimate for 1962-63 ..	0·46	0·06
Budget Estimate for 1963-64 ..	0.66	0·17
Total for three years..	1·12	0·23

This is a programme in the centrally sponsored portion of the plan. Sixty per cent of the expenditure is borne by the Government of India. The State share is 40 per cent which alone is exhibited in the State Plan. During 1961–62 the schemes under this head were under formulation and hence no expenditure could be incurred. The following schemes have been taken up for implementation during 1962–63 :—

1. Opening of a Special Employment Office for physically handicapped persons.
2. Opening of an Employment Bureau for highly qualified applicants.
3. Establishment of Employment Information and Assistance Bureaux.

1. *Special Employment Officer for Physically Handicapped persons.*

The Employment Office of the Training Centre for Adult Blind, Saidapet which was functioning under the administrative control of the Ministry of Education, Government of India was taken over by the Government of Madras on 1st April 1962. From that date, the office is under the control of the Director of Employment, Madras and is functioning as a Special Employment Office for the Physically Handicapped persons. The object of the scheme is to assist physically handicapped persons to undertake the most skilled work of which they are capable and to secure their satisfactory settlement. So far, this Employment Office has registered 212 persons and placed 27 in employment.

2. *Employment of bureau for Highly Qualified Applicants.*

The Employment Bureau for the Highly Qualified Applicants has been opened in the city and started functioning from 9th January 1963.

3. *Employment Information and Assistance Bureaux.*

The Government have sanctioned the establishment of eight Employment Information and Assistance Bureaux in the undermentioned blocks :—

Coimbatore district—

(1) Gobichettipalayam Block.

(2) Kundadam Block.

(3) Madukkarai Block.

Salem district—

(4) Kaveripatnam Block.

(5) Nallampalli Block.

(6) Elachipalayam Block.

(7) Veeppanapalli Block.

(8) Erumaipatti Block.

The functions of the Bureaux are—

(a) to maintain and disseminate information to residents of rural areas on the State of the employment market in urban and rural areas and on the facilities available for employment assistance, with a view to restricting unnecessary movement of employment seekers from rural to urban areas and ensuring that the residents of rural areas are provided equal opportunities for suitable vacancies in urban areas;

(*b*) to assist in arranging for recruitment for employment and training;

(*c*) to renew Employment Exchange registrations of rural residents; and

(*d*) to distribute postal registration forms, and

(*e*) to pass on such information that is made available to the Bureau from time to time by the State Directorate to applicants of rural areas.

Programme for 1963–64.—Besides continuing the existing schemes, the only new scheme proposed for implementation in 1963–64 is printing and supply of career pamphlets in Tamil. The State Co-ordinate committee for vocational guidance and Employment Counselling has emphasised the need for early action on the printing and supply of career pamphlets in the Regional language. A provision of Rs. 10,000 is made in the Budget Estimate for this purpose.

(RS. IN LAKHS.)		
Miscellaneous		
Third Plan Provision	... ...	59·44
Actuals for 1961–62	... ...	4·05
Revised Estimate for 1962–63	...	8·483
Budget Estimate for 1963–64	...	9·423
Total for three years	...	21·956

XXIV. MISCELLANEOUS.

(A) *Statistics.*

		(RS. IN LAKHS.)
Third Plan Provision	... ...	24·44
Actuals for 1961–62	... ...	0·19
Revised Estimate for 1962–63	... ...	2·43
Budget Estimate for 1963–64	... ...	3·23
Total for three years	...	5·85

Accurate and reliable statistics from primary sources and their analysis and interpretation on scientific lines are essential for the formulation of correct policies and also for planning agricultural and industrial production. The following ten schemes have been included in the Third Five-Year Plan.

1. *Strengthening of State Statistical Bureau for overall Planning needs.*

		(RS. IN LAKHS.)
Third Plan Provision	... ...	3·00
Actuals for 1961–62	... ...	0·03
Revised Estimate for 1962–63	... ...	0·33
Budget Estimate for 1963–64	... ...	0·43
Total for three years	...	0·79

The scheme consists of the following items of work :—

(i) State Income estimates and studies thereto.

(ii) Public Finance Statistics.

(iii) Demographic Studies.

(i) *State income estimates and studies thereto.*—The scheme envisages the conduct of *ad hoc* surveys and type studies for filling up the lacunae in the basic statistics available at present for State income estimation.

The following items of work were carried out in 1961–62 :—

(i) survey on small scale industries sector;

(ii) collection of basic data relating to the sector ' organised banking ' required for State Income study; and

(iii) compilation of data in respect of rural and urban house property.

Data on these items and also on cost of cultivation, cost of feeding of livestock, etc., were collected in 1962–63. Similar surveys will be conducted in respect of other sectors like professions, liberal arts, etc., during 1963–64.

(ii) *Public Finance Statistics.*—The object of the scheme is to study the relation between tax, and income and expenditure and the various components of total tax burden due to State, Central and Local taxes and also to determine the place of Madras in the All-India picture in relation to tax burden. This work will be started shortly and continued in 1963–64.

(iii) *Demographic studies.*—The aim of the scheme is to analyse information on various aspects of mortality, fertility and migration relevant for population prognasis. The scheme has been started in October 1962 and will be continued in 1963–64.

2. *District Statistical Agency.*

	(RS. IN LAKHS.)
Third Plan Provision ...	0·71
Actuals for 1961–62 ...	0·07
Revised Estimate for 1962–63 ...	0·17
Budget Estimate for 1963–64 ...	0·17
Total for three years ...	0·41

The object of the scheme is to set up Statistical Units in each district to improve the coverage, ccuracy, timely availability of statistical data from primary sources, their analysis and interpretation on scientific lines.

In the Second Five-Year Plan period, District Statistical Units were set up in 11 districts, in addition to one district, where the unit was already in position.

In 1961–62, one District Unit was set up. There is now a District Statistical Unit in all districts. These units will be continued in 1963-64.

3. *Statistical staff at the headquarters for Community Development/National Extension Service area.*

	(RS. IN LAKHS.)
Third Plan Provision ...	3·46
Actuals for 1961–62 ...	...
Revised Estimate for 1962–63 ...	0·001
Budget Estimate for 1963–64 ...	0·001 (token provision).
Total for three years ...	0·002

The object is to strengthen the existing Administrative Intelligence Unit to cope with the increased work in the compilation of Statistics of Community Development/ National Extension Service areas and also to take up studies on expenditure analysis in blocks, the survey of benefits arising out of improved agricultural practices, etc.

4. *Sample Surveys in collaboration with National Sample Survey (including goods traffic surveys).*

	(RS. IN LAKHS.)
Third Plan Provision ...	9·00
Actuals for 1961–62 ...	0·09
Revised Estimate for 1962–63 ...	0·99
Budget Estimate for 1963–64 ...	1·59
Total for three years ...	2·67

The National Sample Survey of the Government of India is at present conducting various socio-economic surveys like estimation of yield of crops, land utilisation, consumer expenditure, population, births and deaths, etc. The data collected by this organisation had been found to be inadequate to obtain estimates for the State. It has therefore been proposed to canvass additional sample in collaboration with the National Sample Survey. In 1961–62, certain preliminary items of work for the initiation of the surveys were carried out. In 1962–63, the staff recruited for the purpose were given intensive training in the conduct of various surveys and they are posted for field work. The various surveys will be carried out in 1963–64.

5. *Training of Statistical Personnel.*

	(RS. IN LAKHS.)
Third Plan Provision	0·38
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·04
Budget Estimate for 1963–64	0·06
Total for three years ...	0·10

The purpose of the scheme is to provide necessary training to the staff of the Statistics Department which will be done in batches during 1963–64.

6. *Survey of employed person on the live register of Employment Exchange.*

	(RS. IN LAKHS.)
Third Plan Provision	1·25
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·001
Budget Estimate for 1963–64	0·001 (token provision).
Total for three years ...	0·002

This survey which was carried out recently will be repeated during the Third Plan period, if found necessary.

7. *Consumption studies through analysis of sales-tax data.*

	(RS. IN LAKHS.)
Third Plan Provision	1·00
Actuals for 1961–62	...
Revised Estimate for 1962-63	0·26
Budget Estimate for 1963–64	0·25
Total for three years ...	0·51

The object of the scheme is to frame estimates of consumption in respect of certain principal commodities. Estimates in respect of paddy, rice, groundnut, cane jaggery, onions, cement, etc., for the three years 1958–59, 1959–60, 1960–61 are being framed. This item of work will be continued in 1963–64.

8. *Extension of Industrial Statistics.*

	(RS. IN LAKHS.)
Third Plan Provision	1·14
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·22
Budget Estimate for 1963–64	0·21
Total for three years ...	0·43

The object of the scheme is to strengthen the existing unit for the collection and compilation of industrial statistics for carrying out Annual Survey of Industries and to cover smaller units on a half yearly basis. The scheme, which is being carried out, will be continued in 1963–64.

9. *Second Survey of Lower Bhavani Project and Neyveli areas.*

	(RS. IN LAKHS.)
Third Plan Provision	3·00
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·001
Budget Estimate for 1963–64	0·001 (token provision).
Total for three years ...	0·002

The object of the scheme is to carry out the second round of the survey in the Third Plan period to assess the economic benefits of the two projects.

10. *Cost of Production of Rice.*

	(RS. IN LAKHS.)
Third Plan Provision	1·50
Actuals for 1961–62	...
Revised Estimate for 1962–63	0·42
Budget Estimate for 1963–64	0·52
Total for three years ...	0·94

The aim of the scheme is to obtain cost of production of rice by an objective method. The scheme is in progress and will be continued in 1963–64.

(B) PUBLICITY

	(RS. IN LAKHS.)
Third Plan Provision	31·00
Actuals for 1961–62	3·86
Revised Estimate for 1962–63	6·05
Budget Estimate for 1963–64	4·47
Total for three years ...	14·38

One of the integral parts of developmental activity is Publicity. The schemes under 'Publicity' have been formulated with a view to bring to the people the achievements under the Five-Year Plans and also to make them more Plan-conscious. They cover in general the production of publicity materials such as phamplets, leaflets, booklets and posters and publicity through field publicity units, information centres at district headquarters, production of documentry films, organisation of peripatetic exhibitions, and songs and dramas on the Plan.

Field Publicity and Information Centre.

The Integrated Field Publicity Scheme has been extended to all the districts by extending the jurisdiction of the District Publicity Officers of the adjoining districts. Two publicity vans have been purchased during 1962–63. Arrangements for the purchase of the audio-visual and other equipments are being made. It has been proposed to sanction staff and equipment for two districts in 1963–64 as a part of the phased programme to have a publicity unit in each district.

Plan Publicity.

Dramas were enacted in districts during 1961–62 and 1962–63. 'Villupattu' and 'Kathakalakshepam' on Plan Schemes were also conducted in rural areas to make the rural folk Plan minded.

Production of Publicity Material.

More than 25 publications were brought out in the year 1961–62. During 1962–63 three publications have so far been published and many are under print.

Display and Advertisement.

To popularise the Plan achievements, it is proposed to erect 100, "3-D" hoardings in important places of the City and in district headquarters, Panchayat Unions, etc. Achievements under the Plan re also proposed to be published as advertisements in various special issues of periodicals.

Exhibition.

During 1961–62, the Department of Information and Publicity participated in five exhibitions. So far this year the Department has taken part in the exhibition held at Madras, Mdurai, Kuzhithurai and Coimbtore.

Film Publicity.

It has been proposed to produce two documentaries on 'Small Savings Scheme' and 'First-Aid' before the end of March 1963.

All the Publicity Schemes will be carried out during 1963–64 with increased tempo. They will also be so re-orientated as to serve the Defence needs of the country.

(C) GENERAL RESURVEY OF THE STATE.

This is a new scheme proposed to be introduced in 1963–64.

It is now more than four to nine decades since certain tracts of this State were surveyed. Due to many post-survey topographical and cadastral changes, the existing survey and land records are unable to reflect the state on ground and the records themselves are mostly in an unmaintainable condition.

To start with, the localities surveyed under the defunct systems of survey, in pursuance of the old laws will, therefore, be taken up for re-survey from the year 1963–64 onwards, to synchronise with the implementation of the metric system of measures and with a view to secure correct and up-to-date survey and land records. This scheme of re-survey is also intended to facilitate smooth and quick progress of several activities under the development heads of Irrigation, Agriculture, Industry and Co-opertion.

An amount of Rs. 1·72 lakhs has been provided in the budget estimate for the year 1963–64, for the re-survey of an area of about 120 square miles in South Arcot district.

PART II

STATEMENTS SHOWING PROGRESS FOR 1961-62 and 1962-63

AND

PROGRAMME FOR 1963-64

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I. AGRICULTURAL PRODUCTOIN

Serial number and name of scheme.	Rs. in Lakhs. Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5)].	Item and Unit.	Physical targets. Third Plan Target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1. Opening of State Seed Farms ..	100·00	11·67	21·72	19·03	52 42	Number of State Seed Farms ..	76	2 23 New Farms opened. 21 Old Farms closed.)	40	34	76
2. Green Manure Seeds	25·00	3·44	2·32	3·90	9·66	Green manure seeds in Tonnes ..	16,750	2,039	2,750	3,000	7,789
3. Supply Schemes—											
(i) Development of Local Manurial resources.	35·00	4·84	6·77	6·84	18·45	Lakh tonnes	50·00	28·43	31·00	36·00	36·00 (Cumulative).
(ii) Night Soil Compost	20·00	5·66	4·24	3·89	13·79	Do.	2·07	0·33	0·76	1·14	1·14 (Cumulative).
(iii) Urban Compost	50·00	6·38	11·97	13·92	32·27	Do.	6·00	4·23	4·80	5·20	5·20 (Cumulative).
(iv) Distribution of Improved seeds. (i) Gramashayak Scheme .. (ii) Other schemes	70·00	7·28	10·41	18·03	35·72	Paddy (tonnes)—					
						Primary	12,500	2,584	2,500	2,500	7,584
						Village Seed Farms .. .. .. Gramasahayaks.	1,87,500	30,437	37,500	37,500	1,05,437
						Millets (tonnes)—					
						Primary	2,000	305	400	400	1,105
						Village Seed Farms, Gramasahayaks.	30,000	4,561	6,000	6,000	16,561
(v) Japanese method of Paddy cultivation.	1·00	..	..	..	..	Lakhs (acres)	45·00	18·17	2,800	35·00	35·00 (Cumulative).
(vi) Plant Protection	100·00	21·49	14·27	16·32	52·08	Lakhs (acres)	22·50	10·41	1,350	16·50	16·50 (Cumulative).
(vii) Distribution of Sprayers and Dusters.						Sprayers (numbers)	12,500	3,824*	2,878	2,500	9,202
						Dusters (numbers)	2,500	430	765	500	1,695
Pesticides Testing Laboratories.						Unit Established in 1962–63 at Agricultural College and Research Institute, Coimbatore.					

(viii) Improved Agricultural Implements.	20·00	0·51	7·34	7·34	15·19	Melur ploughs Mould Board ploughs (in lakhs numbers).	7·60	0·23	1·40	1·85	3·48
(ix) Increased production of vegetables.	..	..	1·77	3·96	5·73	Universal Otto Frame Numbers	..	19	32	50	101
Tota 3. Supply Schemes ..	296·00	46·16	56·77	70·30	173·23						
4. Commercial Crops—											
(1) Cotton	25·00	2·00	4·27	4·43	10·70	Bales (in lakhs)	1·01	0·37	0·40	0·60	0·60 (Cumulative).
(2) Sugarcane and Road Development in Sugar factory area.	50·00	3·56	3·88	5·66	13·10	Cane (in lakhs tonnes)	10·12	2·87	4·05	6·15	6·15 (Cumulative).
(3) Oilseeds	30·00	5·89	2·97	5·90	14·76	In lakhs tonnes	3·08	0·70	1·16	1·74	1·74 (Cumulative).
(4) Cashew	10·00	1·70	1·82	1·63	5·15	Acres	10,000	3,397	2,000	2,000	7,397
(5) Coconut	..	..	..	..	..						
(i) Comprehensive Coconut Nurseries.	35·00	4·25	8·43	12·24	24·92	Seedlings (in lakhs numbers) ..	14·18	2·15	2·25	3·15	7·55
(ii) Kashuveli Swemp Area in Tindivanam.						Demonstration centres	..	4	1	..	5
(iii) Scheme for the extension of Coconut cultivation in the coastal area of Ramanathapuram.						Families .. .. Area allotted .. .. Seed nuts distributed (in lakhs) ..	500 2,500 6·75	91 455 1·32	100 500 1·00	100 500 1·8(	291 1,455 4·12
(iv) Establishment of parasite breeding centres.						Trees benefitted (lakhs numbers) ..	10·50	2·53	2·10	2·1(	6·73
(v) Coconut Mother Palm competition.						Plots (in numbers)	10,000 each year.	..	..	..	..
(vi) Scheme for plant protection measures.						Sprayers (numbers)	500	12	80	100	192
(vii) Increasing Coconut production.						Extension work for adopting various improved methods of cultivation such as— (1) Adoption of improved cultural practices. (2) Providing irrigation facilities. (3) Application of fertilizers. (4) Adoption of plant protection measures. (5) Cultural and manurial demonstrations.					

* This includes the number of sprayers and dusters supplied by Panchayat Unions and Co-operative Societies.

I. AGRICULTURAL PRODUCTION—*cont.*

Serial number and name of scheme.	Rs. IN LAKHS. *Provision in Third Plan.*	*Actuals for 1961–62.*	*Revised Estimate for 1962–63.*	*Provision for 1963–64.*	*Total [Columns (3) to (5)].*	*Item and Unit.*	Physical targets. *Third Plan Target.*	*Achievement in 1961–62.*	*Anticipated achievement in 1962–63.*	*Target for 1963–64.*	*Total [Columns (9) to 11)].*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(6) Horticulture—											
(i) Fruit Development Scheme..	25·00	4·53	6·81	4·56	15·90	Establishment of new orchards (acres)	5,000	829	915	600	2,344
						Rejuvenation of old orchards (acres)	15,000	811	2,460	1,000	4,371
						Centres to be opened (in numbers)	..	..	1	3	4
(ii) Model orchard *cum*-Nurseries						Centres	The existing three centres will be continued.				
(iii) Establishment of vegetable seed production centre.											
(iv) Fruit Preservation Units ..											
(7) Cashew cultivation in forest areas.	10·00	1·32	2·43	2·55	6·30	Acres	10·000	3·204	2,600	2,566	8,370
(8) Lac Development	3·00	0·34	0·64	0·64	1·62	1. Lac production	15 centres.	15 centres. (20,500 k.gm. of stick lac produced).	15 centres.	15 centres.	15 centres.
(9) Arecanut—	4·00	0·05	0·49	0·63	1·17	2. Lac host tree planting	500	103	120	120	343
						Seedlings distributed (in lakhs) ..	5·00	0·55	1·50	1·50	3·55
						Sprayers (numbers)	100	1	20	30	51
Total—4. Commercial crops ..	192·00	23·64	31·74	38·24	93·62						

5. Agricultural Education—											
(i) Establishment of pre-professional course inclusive of buildings for staff.	20·00	2·56	1·85	1·06	5·47	No physical target.					
(ii) Scheme for opening of a second Agricultural College.	30·00	..	..	..	..						
(iii) Establishment of a training college and opening of a new post-graduate courses inclusive of buildings for staff.	20·00	1·82	1·03	1·22	4·07						
(a) Construction of Administrative Block in Agricultural College and Research Institute, Coimbatore.											
(b) Establishment of an Agricultural Economics and Rural Sociology Section.											
(c) Scheme for Research of Plant Nemotology.											
(d) Scheme for research on virus disease of crops.											
(e) Scheme for setting up of a radio isotope tracer laboratory.											
(iv) Establishment of a Rural University.	1·00*	..	..	..	..						
(v) Starting of Agricultural schools.	..	0·70	1·62	1·54	3·86			No physical target.			
(vi) Training of Upper Subordinates in Farm management.	..	0·16	..	..	0·16						
Total, 5 Agricultural Education.	71·00	5·24	4·50	3·82	13·56						
. Agricultural Research—											
(i) Research schemes	60·00	3·46	4·99	11·05	19·50			Do.			
(ii) Establishment of Soil Testing Centres at Cuddalore, Kovilpatti, Periyakulam and Tirurkuppam.	8·00	0·50	0·62	0·68	1·80			Do.			
Total—6, Agricultural Research.	68·00	3·96	5·61	11·73	21·30						
7. Extension Training Schemes—											
(a) Workshop Wing for Village Level Workers.	4·76	..	0·77	0·69	1·46	....	..	..	..	..	..
(b) Scheme for Refresher Training of Gramsevaks.	0·85	..	0·27	0·30	0·57	....	..	..	..	..	..
(c) Village Youth Activities ..	1·58	..	..	..	..	....	..	..	..	..	..
(d) Refresher Training of Gramasevikas.	0·36	..	..	..	..	....	..	..	..	..	..
(e) Expansion of R.T.C's.	11·83	..	..	..	..	....	..	..	..	..	..
(f) Extension Wings in Agriculture and Veterinary Colleges.	5·62	..	..	..	..	....	..	..	..	..	..
Total, 7. Extension Training Schemes.	25·00	..	1·04	0.99	2.03						

* Taken provision.

I. AGRICULTURAL PRODUCTION—*cont.*

Serial number and name of scheme.	RS. IN LAKHS. Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5).]	Item and Unit.	Physical targets. Third Plan Target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [Columns (9) to 11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
8. Other Additional Schemes—											
(1) Tobacco	3·00	0·59	0·66	0·66	1·91	Fertilizer demonstration plots	500	99	100	100	299
(2) Cocoa	1·00	..	0.001	0·49	0·491	....	..	..	..	..	..
(3) Seed Testing	2·50	..	..	..	..	....	..	..	..	..	..
(4) Agricultural Statistics	11·38	0·07	0·42	0·42	0·91	....	..	..	..	..	..
(5) Strengthening of staff	10·00	..	0·22	0·22	0·44						
(6) Intensive Agricultural District Programme.	150·00	9·03	7·57	7·22	23·82	Coverage of cultivable area	To cover 65 per cent of cultivable area in 26 blocks.	30 per cent	40 per cent in 24 blocks; per cent in 2 blocks.	65 per cent in 24 blocks; 30 per cent in 2 blocks.	65 per cent in 24 blocks; 30 per cent in 2 blocks (cumulative).
(6) Subsidiary Foods	10·00	..	..	..	..	....	..	..	..	..	..
(7) Lab facilities and pot culture house for field Manure Officer.	0·13	..	0·15	..	0·15	No physical target.					
Total, 8. Other Additional Schemes.	188·01	9·69	9·021	9·01	27·721						
9. Land Development—											
(1) Tractor Hiring	50·00	14·47	31·79	12·50	58·76	Virgin land acres	56,100	3,430	3,510	3,610	10,450
						Current fallows: acres	59,500	3,534	9,020	9,020	26,574
(2) Tractor Hire purchase	50·00	6·67	12·06	10·06	28·79	....	..	..	..	..	..
(3) Consolidation of holdings	1·00	..	..	..	..	....	..	..		..	..
Total, 9. Land Development.	101·00	21·14	43·85	22·56	87·55						
Un adjusted provision	+ 0·49	..	..	..	..						
Total Agricultural production including Land Development.	1066·50	124·94	176·571	179·58	481·091						

II. MINOR IRRIGATION.

Serial number and name of scheme.	Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5)].	Items and Unit.	Third Plan Target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total [Columns (9) to (11)].
	RS. IN LAKHS.						Physical targets.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1 Special Minor Irrigation Programme.	800·00	177·30	187·05	198·43	562·78	Works	3,415	706	845	760	2,311
2 Desilting-*cum*-Reclamation of Irrigation Tanks.	80·00	14·64	9·63	9·32	33·59	Do.	100	16	21	20	57
3 New Well Subsidy Scheme.	100·00	55·68	101·12	113·44	270·24	Wells	37,500†	1,846	2,500	2,500	6,848
4 Bore Wells	50·00	‡	‡	‡	‡	Do.	2,000	656	603	640	1,899
5 Tube Wells and Artesian Wells.	94·00	13·64	15·54	12·53	41·71	Artesian Wells	500	27	28	40	95
						Tube Wells	150	..	..	..	..
6 Filter-point Wells. ..	50·00	15·09	7·19	4·82	27·10	Wells	3,000	481	409	400	1,290
7 River pumping Scheme.	5·00	0·21	0·27	0·27	0·75	Centres	30	1	2	6	9
8 Pumpsets-Hire-purchase Scheme for electric motors and oil engines.	100·00	20.98	17·40	22·16	60·54	Pumpsets—					
						Oil Engines	1,240	238	210	245	693
						Electric Motors	7,200	751	1,000	1,800	3,551
9 Ground water exploration and survey.	1.00	0·30	1·49	3·88	5.67	....	..	..	..	..	..
Total ..	1,280·00	297·84	339·69	364·85	1,002.38						

† Includes the targets under Community Development area also.

‡ Provision included under Scheme No. 5.

III. SOIL CONSERVATION.

Serial number and name of scheme.	Rupees in lakhs. Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5).]	Item and Unit.	Physical targets. Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [Columns (9) to (11).]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1 Soil Conservation in Agricultural lands.	1,43·50	44·80	47·16	46·92	138·88	Acres	311,000	78,347	78,820	76,350	233,717
2 Soil conservation in hilly regions.	40·00										
3 Soil Survey and Land use Planning.	2·50		0·01	0·01	0·02						
4 Dry Farming Practices	10·00	..	..	..	..	Since treated as Centrally sponsored scheme—State share—Nil.					
5 Percolation ponds and small tanks.	2·00	..	..	..	..						
6 New Demonstration Centres ..	10·00	..	..	..	..						
7 Training of personnel etc. ..	5·00	0·54	1·60	0·89	3·03	Do.	Do.	Do.			
8 Reclamation of waterlogged saline soils.	5·00	..	..	..	..						
9 Soil Conservation (forest area) ..	30·00	2·56	5·28	5·28	13·12	Number of acres	57,000	9,148 and soil conservation in cashew areas 800 acres.	9,554	2,644	21,346 and soil conservation in cashew areas 800 acres.
						Number of districts to be surveyed.	7	1	4	Survey will be continued in 4 districts.	5
10 Research	2·00	0·46	0·63	0·59	1·68	.. ..	..	..	..	..	..
11 Soil Conservation measures in Livestock farms.	..	..	0·25	0·25	0·50						
Total, Soil Conservation ..	250·00	48·36	54·93	53·94	157·23						
Centrally sponsored scheme—											
1 River Valley Projects, Kundah ..	..	0·26	8·20	6·42	14·88	Acres	9,300 Forest lands ; 4,800 Agricultural lands ; 400 Poramboke lands.	..	3,000	2,250	5,250
2 New Demonstration Centres ..	..	..	0.33	1·27	1·60						
3 Dry Farming Practices	..	1·04	0.61	5.03	6.68						
Total, Soil Conservation—Centrally sponsored schemes.	..	1·30*	9·14*	12·72*	23·16*						

* These are entirely met from Central funds outside State Plan and therefore not included in the total.

IV. ANIMAL HUSBANDRY.

Serial number and name of the scheme.	(RS IN LAKHS.) Provision in the Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [columns (3) to (5)].	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total. [columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
CATTLE DEVELOPMENT.											
1 Scheme for the development of feeds and fodder resources.	3·00	0·64	0·73	0·85	2·22	100 acre plots	5	1	1	1	3
						10 acre plots	25	5	5	5	15
						Silo pits	25	5	5	5	15
2 Establishment of three Livestock Farms.	18·00	0·32	7·84	4·70	12·86	Number of Livestock Farms ..	3	1	1	..	2
3 Expansion of State Livestock Farms.	10·00	3·36	9·611	3·311	16·282	Do.	2	1	1	..	2
Total I, Cattle Development ..	31·00	4·32	18·181	8·861	31·362						
II SHEEP DEVELOPMENT.											
1 Sheep and Wool Extension centres.	5·00	0·20	1·07	1·05	2·32	Sheep and Wool Extension Centres.	12	3	3	3	9
2 Sheep Farm	2·00	..	0·57	0·55	1·12	Sheep Farm	1	1	..	..	1
Total II, Sheep Development ..	7·00	0·20	1·64	1·60	3·44						
III EDUCATION AND TRAINING.											
1 Strengthening of Regional Biological Research Institute.	7·00	..	1·38	0·78	2·16	....	..	..	..	..	Staff and buildings.
2 Provision of Extension Wing at Madras Veterinary College.	3·00	..	0·43	0·61	1·04	Extension Wing	1	..	1	..	1
3 Expansion of Statistical Research.	2·00	0·05	0·23	0·31	0·59	....	..	..	..	..	Staff only
4 Improvement to Veterinary College.	10·00	2·60	2·68	0·80	6·08	....	..	..	..	..	Completion of buildings.
5 Establishment of Foot and Mouth Disease Laboratory.	..	..	0·001	0·001	0·002	....	..	..	..	..	..
Total III, Education and Training.	22·00	2·65	4·721	2·501	9·872						

IV. ANIMAL HUSBANDRY—*cont.*

Serial number and name of the scheme.	(RS. IN LAKHS.) *Provision in Third Plan.*	*Actuals for 1961-62.*	*Revised Estimate for 1962-63.*	*Provision for 1963-64.*	*Total [Columns (3) to (5)].*	*Item and unit.*	*Physical targets.* *Third Plan target.*	*Achievement in 1961-62.*	*Anticipated achievement in 1962-63.*	*Target for 1963-64.*	*Total. [Columns (9)to(11)].*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
IV. GENERAL AND OTHER SCHEMES.											
1 Opening of Veterinary Dispensaries	20·00	1·78	2·41	5·58	9·77	Veterinary Dispensaries	150	25/10 (Completed.)	31/7 (Completed.)	30	86/17 (Completed.)
							[Permission has since been given to open the Veterinary Dispensaries (1962-63) in rented buildings.]				
2 Mixed Farming Units	50·00	..	..	..	..	Mixed Farming Units	..	..	..	..	..
3 Goshala Development	3·75	0·50	0·81	0·94	2·25	Goshalas	20	4	4	4	12
4 Pilot scheme for cattle insurance.	1·00	..	..	..	..	Centres	1	..	..	..	..
5 Survey of Milk yield and Animal Husbandry Practices.	1·00	..	..	..	..	....	..	..	..	..	..
6 State Livestock Research Station.	10·00	..	..	1·00	1·00	State Livestock Research Station.	1	..	..	1	1
7 Propaganda Unit for Animal Husbandry Department.	1·00	..	..	..	..	Propaganda Unit	1	..	..	..	..
8 Control of Ranikhet Disease.	2·00	..	0·23	0·33	0·56	Production of Vaccine doses ..	15 lakhs doses each year.	.. ..	15 lakhs doses.	15 lakhs doses.	15 lakhs doses.
9 Green Fodder Farm	1·97†	1·07	0·02	0·75	1·84	....	..	..	..	..	..
10 Hide Flaying and Curing Centre.	2·50	..	..	..	..	Hide Flaying and Curing Centre ..	1 (Centre.)	..	..	..	..
11 Livestock Shows	3·00	0·16	0·06	0·16	0·38	State Shows	5	1	..	1	2
						District Shows	30	6	1	6	13
12 Mass Castration of scrub bulls	1·00	0·09	0·50	0·40	0·99	Castrators	1,000	93	500	400	99
13 Prevention of cruelty to animals..	1·00	..	..	..	..	..	..	..	..	..	..
14 Improvement to slaughter houses.	8·00	..	..	..	..	.. ..	..	..	..	..	..
15 Strengthening of staff including implementation of Nalagar Committee report.	5·00	..	..	..	..	..	..	..	..	..	..
16 Indian Council of Agricultural Research Schemes.	7·50	..	..	..	..	..	..	..	..	..	..
17 Training of Personnel	1·50	..	..	0·29	0·29	Additional stockmen	250	50	50	50	150
18 Procurement of and distribution of bulls.	50·00	6·30	2·67	5·77	14·74	Key Village Extension Centres ..	50	12	5	5	22
19 Introduction of Sheep in Mixed Farming.	2·00	..	..	..	..	..	..	..	..	..	..

20 Key Village Schemes—										
(a) Expansion Work	8·00	0·79	1·70	1·64	4·13	Key Village Blocks	10	6	4	..	10
(b) New blocks	46·00	3·72	5·84	8·86	18·42	Do.	20	6	3	6	15
(c) Additional staff	5·00	0·008	0·23	0·30	0·538	Appointment of Assistant Director.	1	..	..	..	..
(d) Calf subsidy	16·00	7·01	6·60	7·10	20·71	Inspector, Key Village Scheme ..	11	..	1	..	..
						Number of calves	7,000	1,000	1,000	1,000	3,000
21 Poultry Development.—											
(i) Expansion of Farms (Raising of Baby chicks.)	5·00	0·39	1·244	0·92	2·554	Farms to be expanded ..	1	1	..	..	1
(ii) Expansion of Extension Centres.	7·00	..	..	..	..	Expansion of Poultry Extension Centres.	7	..	..	..	..
(iii) Feed manufacturing unit ..	1·50	..	..	..	..	Establishment of a Plant	1	..	..	..	Since dropped.
(iv) Upgrading of poultry	2·00	0·22	0·22	0·54	0·98	Distribution of Cockerels	40,000	5,000	8,000	9,000	22,000
(v) Manufacture of Show cages ..	0·05	0·05	..	..	0·05	Number of cages	150	80	..	..	80
(vi) Additional staff	1·50	0·20	0·20	0·21	0·61	....	Poultry Development Officer.	1	1	1	..
(vii) Training of Farmers	0·80	0·12	0·12	0·24	0·48	Farmers to be trained ..	1,600	200	200	400	800
(viii) Inprovemnt to Poultry Houses. ..	0·40	0·02	0·08	0·08	0·18	Poultry houses to be subsidised ..	2,600	500	500	350	1,350
(ix) Day old chicks	0·75	0·11	0·15	0·15	0·41	Distribution of day old chicks ..	1,00,000	20,000	15,000	30,000	65,000
(x) Brooding Equipment	0·80	..	0·20	0·20	0·40	Equipment	..	..	..	..	..
(xi) Supply of Incubators ..	0·30	0·06	0·18	..	0·24	Incubators	240	33	70	..	103
(xii) Establishment of New Poultry Extension Centres.	20·00	5·83	5·10	6·08	17·01	Now Poultry Extension Centres ..	20	5	11	4	20
(xiii) Establishment of chick Hatchery.	1.90	..	0·001	0·001	0·002	Hatchery	1	..	..	..	..
22 Piggery Development	5·00	0·11	1·41	1·06	2·58	Piggery Unit	2	1	1	..	2
						Piggery Development Block ..	10	2	2	2	6
Total IV, General and Other Schemes	292·25	28·538	29·975	42·601	101·114						
Total, Animal Husbandry	352·25	35·708	54·517	55·563	145·788						
CENTRALLY SPONSORED SCHEME— Production of Rinderperst Freeze dried Vaccine at Institute of Veterinary Preventive Medicine Ranipet.	..	0·86*	0·78*	0·82*	2·46*	Production Vaccine Target not fixed.					

† Comes under co-operative sector. Not included in the total.

* The provision is met outside the State Plan and therefore not included in the total.

V. DAIRYING AND MILK SUPPLY.

Serial number and name of the scheme.	Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5)].	Item and unit.	Third Plan Target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total (Columns (9) to (11)].
	RS. IN LAKHS.						Physical targets.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1. Madras Dairy and Milk Project (Spill over).	59·17	50·97	38·55	22·95	112·47	Completion of entire buildings for accommodating 4,000 animals and Central Dairy and to instal the machinery.	All works in first 4 units completed. All works connected with administrative building completed excepting some finishing items. 30 per cent of the main buildings for the remaining 4 units completed.				..
2. Madras Dairy and Milk Project (Expansion).	40·00	0·07	9·27	20·93	30·27	Establishment of chilling centres at Wallajabad and Baluchettichatram.	Plans and estimates approved. Construction of buildings taken up and i ɪ progress.				..
3. Loan for purchase of Milch animals.											
(i) Madras project ..	10·00	7·07	15·00	20·00	42·07						
(ii) Co-operative sector ..	59·50	16·35	19·45	20·67	56·47						
						(1) Number of new milk supply co-operative societies to be organised.	150	140	147	30	ɪ37
							(RUPEES IN LAKHS).				
						(2) Issue of loans—					
						(i) Loans for the purchase of milch animals.	75·00	13·00	14·00	15·50	42·50
						(ii) Loans under heifer Scheme	20·00	3·00	4·00	5·00	12·00
						(3) Daily average production of milk to be reached (in M.Ms.)	90,000	65,978	70,000	80,000	80,000 (Progressive figure).
4. New Milk Schemes—											
(i) Tiruchirappalli and Thanjavur (ii) Madurai milk scheme (UNICEF Project).	53·30	3·04	0·25	12·00	15·29	Number of pasteuristation plants.	3	Installation of pasteurisation plants by Madurai, Thanjavur and Tiruchirappalli Unions will be in progress.			

5. Expansion of existing milk supply societies.	8·79	1·66	0·16	3·89	5·71	(5). Number of equipments to be supplied—					
						(i) Milk vans	2	2	..	..	2
						(ii) Chilling plants.	5	1	1	2	4
						(iii) Machinery for bye-products.	1	1	..	..	1
						(iv) Drop-in milk coolers ..	1	1	..	..	1
						(v) Milk testing equipments ..	5	5	..	..	5
						(vi) Three wheelers	1	1	..	..	1
						(vi) Sterilization unit	5	1	1	1	3
						(viii) Expansion of existing units, Kodaikanal.	..	..	..	..	..
6. Establishment of Co-operative Salvage Farms.	5·53	..	2·08	..	2·08	(6) Number of Co-operative Salvage farms.	1	..	1 (Land only)	..	1 (Land only).
Establishment of Butter-*cum*-Milk powder factory.	15·00	..	..	..	..				Scheme deferred.		
8. Establishment of cattlefoed manufacturing centres.	5.71	..	0·28	..	0·28	Number of centres	7	..	2	..	2
Removal of milch animals from urban areas.	1·00	..	..	..	..	.... ..	..	..	..	..	..
10. Rural Dairy Extension Services ..	10·00	..	2·00	1·00	3·00	(*a*) 50 milk collection centres ..	..	10	..	5	15
						(*b*) Green foldder-cum-Salvage farm	..	..	..	..	..
11. Training of Dairy Personnel ..	2·00	..	0·16	0·10	0·26	To train the Dairy Personnel ..	..	..	10	17	27
12. Dairy Development staff; Milk Board.	4·00	..	..	..	..	....	..	..	..	..	Scheme deferred
13. Survey	1·00	0·15	0·15	0·16	0·46	To survey all the districts for determining the milk potential.	..	Survey in Erode Completed.	Survey in Madurai and Tiruchirappalli.	Survey in Other districts like Chingleput, South Arcot and North Arcot.	..
Total: Dairying and Milk supply ..	275·00	79·31	87·35	101·70	268·36						

VI.—FORESTS.

Serial number and name of scheme.	Provision in Third Plan. (Rupees in Lakhs)	Actuals for 1961-62. (Rupees in Lakhs)	Revised Estimate for 1962-63. (Rupees in Lakhs)	Provision for 1963-64. (Rupees in Lakhs)	Total [Columns (3) to (5)]. (Rupees in Lakhs)	Item and unit.	Third Plan target. (Physical targets)	Achievement in 1961-62. (Physical targets)	Anticipated achievement in 1962-63. (Physical targets)	Target for 1963-64. (Physical targets)	Total. [Columns (9) to (10)]. (Physical targets)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1 Development of Farm Forestry ..	75·00	2·91	6·17	14·57	23·65	Acres.	2,62,000	6,658	6,280	21,300	34,238
2 Economic Plantations—											
(a) Plantation—											
(i) Teak	4·00	6·49 (for (i) to (v))	10·27 (for (i) to (v))	10·38 (for (i) to (v))	27·14 (for (i) to (v))	Do.	5,500	1,582	1,270	995	3,847
(ii) Softwoods	4·00					Do.	5,000	1,852	1,684	1,515	5,051
(iii) Casuarina	4·00					Do.	3,000	735	717	690	2,142
(iv) Wattle	10·00					Do.	2,0000	4,512	4,423	4,000	12,935
(v) Bamboos	5·00					Do.	5,000	1,015	1,040	980	3,035
(b) Extension Forestry—											
(i) Creation of river, canal and lake fringe forests.	10·00	0·60	1·501	1·50	3·601	Do.	4,000	874	856	1,200	2,930
(ii) Planting along Railway lines.	20·00	The planting along railway lines since dropped in view of railway authorities themselves taking up planting without the assistance of the State Government.									
(c) Rubber Plantations	*26·00	5·92	9·47	7·44	22·83	Acres.	2,000	446	364	500	1,310
3 Consolidation	10·00	1·19	1·25	0·89	3·33	Sq. miles.	522	150	120	127	397
4 Forest Resources Survey	3·00	0·05	0·20	..	0·25	..	Preliminary Survey of State.	Preliminary survey taken up and completed and Reconnaissance Report prepared.		..	The detailed survey to follow up will be taken up on sanction of Pre-investment Survey of Forest Reserves and Industries.
5 Rehabilitation of Degraded Forests.	7·00	1·19	2·11	2·11	5·41	Acres.	18,000	3,403	3,192	2,950	9,545
6 Development of Pasture and Grazing.	5·00	0·55	0·68	0·52	1·75	Do.	5,000	643	535	†	1,178

7 Preservation of Wildlife	3·00	0·907	2·22	1·43	4.557		(1) Improvement of Mudumalai Wildlife Sanctuary and Vedanthangal Bird Sanctuary. (2) Forming 4 new Sanctuaries and 2 Zoos.		Improvement of Mudumalai Wildlife Sanctuary and Vadenthangal Bird Sanctuary.		
8 Timber Operation and Forest Utilisation.	3·00	0·12	0·03	0·58	0·68	..	..	Three sets of two men equipement.	Better Harness for elephants.	One lorry and better harness for elephants, tool sheds, etc.	
9 Training of Staff	9·00	2·95	7·35	2·02	12·32	..	Opening of integrated training school.	Integrated training school opened at Vaigai Dam.	..	..	
10 Forest Research	3·00	0·14	0·33	0·55	1·02	No.	2 new Research Centres.	2 Centres.	Experiments to be conducted in these centres.	2 centres Research work will be continued.	
11 Communications (Roads)	12·00	2·74	3·82	2·68	9·24	M.F.	..	Inprogress New roads 6 miles 1 furlong Old Roads 3 Miles.	Road works of 1961–62 completion New roads 5 miles 3 furlongs improved old roads 10 miles 7 furlongs.	Formation of new roads 11 miles 4 furlongs Improved Old Roads-5 miles.	New Roads 23 miles Old Roads improved 18 miles 7 furlongs.
12 Construction of Buildings ..	10·00	1·64	0·50	0·30	2·44	Nos.	..	16	6	4	26
13 Amenities to Labour	5·00	1·10	1·01	0·69	2·80	..	..	(1) Construction of 8 mazdoor lines (2) 600 rain proof cumblies. (3) 28 wells. (4) 1 lorry.	(1) Construction of 9 mazdoor lines. (2) Purchase of 450 cumblies. (3) 1 lorry.	(1) Construction of 12 mazdoor lines. (2) 600 cumblies	(1) Mazdoor lines 29. (2) Rain proof cumblies—1,650 (3) 28 wells. (4) 2 lorries.
14 Forest Publicity	2·50	..	0·58	0·58	1·16	Nos.	1 Publicity Unit.	The creation of publicity unit deferred in view of National Emergency.			
15 Forest Protections	2·50	0·48	0·44	0·42	1·34	No.	1 Mobile Squad.	1. Mobile Squad.	1 Squad.	1 Squad.	1 Squad.

* Prvoission not included in the total.

† Discontinued

VI.—FORESTS—*cont.*

Serial number and name of scheme.	RUPEES IN LAKHS. Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5)].	Item and Unit.	Physical targets. Third Plan Target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total (Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
16 Raising of Fuel Forests ..	..	..	0·96	7·05	8·01	Acres.	21,000	..	600	30·00	3·600
17 Reconnaissance survey of eroded lands outside Forest areas.	..	0·590	0.585	0·625	1.800	..	..	..	..		..
Total Forests	212·00	29·567	49·476	54·285	133·328						
CENTRALLY SPONSORED SCHEME.											
Planting of quick growing species. Bamboo Plantation Project.	* 20·00	..	* 0·20	* 0·20	* 0·40	Acres.	5,000	..	200	600	800

* Provision not included in the total as it is met outside the State Plan by the centre.

VII. FISHERIES.

Serial number and name of scheme.	Rupees in lakhs. Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64	Total. [Columns (3) to (5)].	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [Columns (9)+(11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1 Supply of improved fishing boats..	63·00	7·39	29·59	25·10	62·08	Number of boats	400	30	70	100	200
2 Provision of nylon net and other accessories.	20·00	1·86	2·65	1·03	5·54	Synthetic twine in pounds	1,25,750	7,061	28,000	..	35,061
3 Collection and distribution of fish seeds.	15·00	2·98	4·09	5·59	12·66	Number of finger lings in lakhs ..	1,500·00	210·38	300·00	300·00	810·38
4 Development of fishing harbour and landing facilities at suitable river mouths.	35·00	2·09	1·69	5·13	8·91	Construction of fishing harbours and jetties.	4	..	1 Jetty	1 Harbour	1 Jetty and 1 harbour
5 Fish curing yards	9·00	1·39	1·15	1·72	4·26	Cured fish (tons)	35,000	5,374·88	7,000	7,000	19,374·88
6 Ice Plant and Cold Storage facilities	8·00	0·88	3·68	9·29	13·85	Number of Plants	9	2	3	2	7
7 Quick transport of fish from landing centres to marketing and consuming centres.	10·00	0·88	2·36	1·35	4·59	Purchase and Supply of vehicles —					
						(a) Big vehicles	13	2	3	2	7
						(b) Three wheelers	17	..	4	..	4
8 Improvement of fish markets ..	5·00	0·23	1·00	1·95	3·18	Number of Markets	40	8	20	20	48
9 Loans to Fishermen Co-operative Socities.	30·00	5·13	*	*	5·13	Grant of Loans	Loans and Grants will be sanctioned to the Fishermen Co-operatives and Federations.				
10 Development of Major Reservoir Fisheries.	5·00	0·78	1·38	1·69	3·85	Lakhs of finger lings	150·00	17·00	30·00	30·00	77·0
11 Establishment of an esturine fish farms.	1·00	0·08	0·23	0·09	0·40	Number of fish farm	One	One at Manakudi.	..	..	One at Manakudi.
12 Training of personnel	1·00	0·54	0·42	0·44	1·40	Number of fishermen to be trained.	250	77	20	10	107
13 Research into the means of improving fishing crafts.	1·00	0·02	0·11	0·11	0·24	Research Scheme	This is a research scheme on craft and gear design and hence no physical target.				

* Since brought under centrally sponsored schems—States share is nil., the entire cost being met by the Centre.

VII. FISHERIES—*cont.*

Serial numbrr and name of scheme.	(RS IN LAKSH.) *Provision in Third Plan.*	*Actuals for 1961–62.*	*Revised Estimate for 1962–63.*	*Provision for 1963–64*	*Total. [Columnas (3) to (5).]*	*Item and unit.*	*Physical targets.* *Third Plan target.*	*Achive-ment in 1961–62.*	*Anticipated achieve-m·nt in 1962–63.*	*Target for 1963–64.*	*Total [Columns (9) to 11].*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
14 Processing including canning fish meal, oil and bye-products.	5·00	0·09	1·08	1·23	2·40	Canning Factory and bye-product centres.	Opening of canning Factory, Fish meal plant and manure centres.	Three manure centres and one bye-product unit.	One Canning Factory.	One fish meal plant.	Three manure centres O.e canning factory One fish meal factory.
15 Deep Sea fishing	10·00	(—) 0·12	0·74	1·05	1·67	Fishing Centre	One Centre at Tuticorin will be established				
16 Construction of marine aequarium.	2·00	..	..	..	..	One	One aquarium	..	..	..	Scheme deferred.
17 Additional staff for Planning and propaganda.	2·00	0·03	0·34	0·35	0·72	Staff scheme	No target fixed.				
18 Training of District Fisheries Development Officers at the Central Institute of Fisheries Education, Bombay.	..	..	0·11	0·11	0·22	Number of Trainees	No target fixed.	..	..	..	..
19 Fisheries training school at Nagapattanam for training of Fisheries service personel.	..	0·01	0·14	0·15	0·30						
20 Scheme for Fisheries Extension unit.	..	..	0·20	0·20	0·40						
21 Scheme for Boat building yard at Royapuram.	..	..	6·00	2·00	8·00						
Total, Fisheries ..	222·00	24·26	56·961	58·582	139·803						

VIII. MARKETING AND WAREHOUSING.

Serial number and name of scheme.	Rupees in Lakhs.					Item and Unit.	Physical targets.				
	Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total columns (3) to (5).		Third Plan Target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total columns (9) to (11).
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1. Agricultural marketing	15·00	1·54	3·21	0·69	5·44	....	..	..	..	..	..
2. Warehousing	25·00	..	3·00	3·00	6·00	....	..	..	..	..	..
Total—Marketing and Warehousing.	40·00	1·54	6·21	3·69	11·44	....	..	..	..	..	..

IX. CO-OPERATION.

Serial number and name of the scheme.	Rupees in Lakhs.					Item and Unit.	Physical targets.				
	Provision in Third Plan.	*Actuals for 1961–62.*	*Revised Estimate 1962–63.*	*Provision for 1963–64.*	*Total [Columns (3) to (5)].*		*Third Plan Target.*	*Achievement in 1961–62.*	*Anticipated achievement in 1962–63.*	*Target for 1963–64.*	*Total [Columns (9) to (11)].*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
I. CREDIT—											
1. Villages Societies—											
(a) New organisation ..	5·82	0.75	1·36	1·17	3·28	1. Number of additional villages credit societies to be formed.	60·0	477	200	100	777*
							* Assistance restricted to 500 societies.				
(b) Revitalisation of societies including spill over.	38·66	10·73	13·90	8·68	33·31	2. Number of societies selected for revitalisation.	2,300	1,500	500	100	2,100
(c) Credit Unions (spill over) ..	1·80	1·24	0·50	0·17	1·91	3. Percentage of population to be served.	85	72	75	80	80
(d) Agricultural Banks (spill over).	0·20	0·20	..	..	0·20						
(e) Special Bad Debt Reserve ..	60·00	..	9·00	17·58	26·58	4. Amount of credit to be supplied (Rupees in crores).	(Rupees in Crores).				
						(a) Short term and medium term.	47·00	29·1	32·00	37·60	37·60
						(b) Long term	3·00	2·33	2·00	2·40	2·40
2. Co-operative Central Bank—											
(a) Subsidy for employment of additional supervisors.	1·23	0·39	0·32	0·20	0·91	5. Share Capital to be reached. (Excluding Government share capital).					
(b) Subsidy for employment of additional supervisors in F.F.S. areas.	11·04	0·34	0·65	2·06	3·05	(a) Madras State Co-operative Bank.	2·22	1·54	2·02	2·10	2·10
(c) Special Bad Debt Reserve	20·00	..	3·00	4·49	7·49	(b) Co-operative Central Bank	4.45	3·14	3·85	4·05	4·05
						(c) Primary Societies	5·50	3·90	3·95	4·50	4·50
3. Primary Land Mortgage Banks..	0·88	0·30	0·19	0·20	0·69	6. Deposits to be held (Rupees in crores).					
4. Employment of Land Valuation Officers.	0·93	(Included under item II (2) below.		..	..						
5. Construction of Office Buildings by Agricultural Banks.	5·00	2·00	1·22	0·26	3·48	Progressive figures— (a) Madras State Co-operative Bank.	15·00	7·41	8·00	10·50	10·50
6. Construction of Office Buildings by Supervising Unions.	2·00	1·00	0·96	0·05	2·01	(b) Co-operative Central Bank	15·00	12·01	13·40	14·40	14·00
						(c) Primary Societies	2·00	1·46	1·50	1·60	1·60
						7. Number of Land Mortgage Banks to be formed.	16	4	3	3	10
Total, I Credit ..	147·56	16·95	31·10	34·86	82·91	8. Number of office buildings to be put-up by Agricultural Banks.	50	20	10	5	35
						9. Number of office buildings to be put up by supervising unions.	13	6	4	3	13

II. MARKETING—											
1. Share capital contribution to Marketing Societies.	3·00	1·00	2·00	..	3·00						
2. Managerial staff subsidy (including spill over.)	7·53	0·97	2·51	2·93	6·41						
3. Construction of godowns ..	109·00	34·20	35·00	20·00	89·20	Number of godowns to be constructed.	1,030	212	250	210	672
4. Hiring of godowns	..	0·29	..	..	0·29	Number of lorries to be purchased by marketing societies.	15	6	5	4	5
5. Assistance to marketing societies for purchase of motor lorries.	4·50	6·61	1·50	..	8·11						
6. PROCESSING PLANTS—											
(a) Share capital	10·00	6·17	3·00	1·00	10·17	Number of processing plants to be installed.	No specific target.	..	2 Rice Mills.		2 Rice Mills
(b) Managerial subsidy	1·07	..	..	0·31	0·31						
Total, II. Marketing ..	135·10	49·24	44·01	24·24	117·49						
III FARMING.	35·00	6·78	9·00	11·50	27·28	Number of farming societies to be organisesd.					
						(i) In Pilot Project areas ..	120	21	39	30	90
						(ii) In non- Pilot Project areas.	25	5	5	..	10
IV. EDUCATION AND TRAINING—											
1. Running of Institutes at Vellore and Tirunelveli for training non-official candidates.	5·75	0·01	1·13	1·15	2·29	Number of candidates to be trained.	1,600	346	320	320	986
2. Running of institutes at Salem, Madurai and Kancheepuram.	8·80	4·39	2·10	1·97	8·46	Number of candidates to be trained.	2,400	525	480	480	1,485
3. Running of an institute for departmental candidates.	2·00	..	..								
4. Scheme for training of panchayatdars.	9·03	2·70	3·59	1·26	7·55	Number of persons to be trained ..	80,600	16,216	44,640	44,640	1,05,496
5. Assistance to Co-operative Unions.	2·00	3·50	0·22	..	3·72						
6. Study tour of official and non-officials.	1·00	..	0·26	..	0·26						
7. Scheme for conduct of seminars.	0·10	0·02	0·02	..	0·04	Number of seminars to be conducted.	20	..	4	..	4
8. Publicity and Propaganda ..	0·10	..	0·02	..	0·02						
9. Short-term course run by Tamilnad Co-operative Union for untrained employees.	1·50	0·34	0·37	0·40	1·11	Number of candidates to be trained.	400	68	80	80	228
10. Refresher classes for the employees of Land Mortgage Banks.	0·17	0·03	0·04	0·04	0·11						
Total, IV. Education and Training.	30·45	10·99	7·75	4·82	23·56						

IX. CO-OPERATION—*cont.*

Serial number and name of scheme.	RUPEES IN LAKHS. Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate 1962–63.	Provision for 1963–64.	Total [columns (3) to (5)].	Item and Unit.	Physical targets. Third Plan Target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total [columns (9) to (11).]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
V. CONSUMERS' CO-OPERATIVES—											
Revitalisation of stores (Managerial subsidy).	1·56	0·16	0·57	0·56	1·29	1. Number of stores to be assisted.	100	20	50	20	90
Share capital contribution ..	2·50	0·50	0·50	0.92	1·92	2. Number of stores to be given share capital assistance.	100	20	20	37	77
Assistance to Co-operative Stores for installation of oil crushing machinery.	3·00	0·79	0·80	..	1·59	3. Number of stores to be assisted.	15	4	4	..	8
Assistantee to Co-operative Stores for installation of coffee grinding machinery.	2·00	0·50	0·50	..	1·00	4. Number of stores to be assisted ..	40	12	10	..	22
Assistance to Co-operative Stores for construction of godowns-*cum*-office-buildings.	4·00	..	1·00	..	1·00	5. Number of stores to be assisted ..	20	..	5	..	5
Assistance to Co-operative Stores to introduce Home delivery system.	0·72	..	0·18	0·18	0·36	6. Number of stores to be assisted ..	16	..	4	..	4
Total—V. Consumers' Co-operatives.	13·78	1·95	3·55	1·66	7·16						
VI. MISCELLANEOUS—											
1. Labour Contract Societies ..	4·00	1·12	0·99	0·06	2·17	Number of labour contract societies to be formed.	5	1	..	..	1
2. Societies for washerman ..	3·65	0·806	0·82	0·55	2·176	Number of societies to be formed ..	12	4	3	2	9
3. Society for Taxi drivers in Madras City.	1·52	1·53	0·03	..	1·56	Number of societies to be formed ..	1	1	..	..	1
Total VI—Miscellaneous ..	9·17	3·456	1·84	0·61	5·906						
VII. CO-OPERATIVE SUGAR FACTORIES.	90·00*	30·00	10·00	10·00	50·00	Number of sugar factories to be established.	4	2	..	..	2
VIII. ADDITIONAL DEPARTMENTAL STAFF.	10·00	1·93	2·55	2·94	7·42	....	..	..	..	..	..
Total—Co-operation ..	471·06†	121·296	109·80	90·63	321·726						

* The provision for Co-operative Sugar Factories will come from "Industries" sector.
† The provisions are not final.

X. COMMUNITY DEVELOPMENT PROGRAMME.

Serial number and name of scheme.	Rupees in lakhs.					Item and Unit.	Physical targets.				
	Provision in Third Plan.	Actuble for 1961-62.	Revised estimate for 1962-63.	Provition for 1963-64.	Total [columns (3) to (5)].		Third Plan Target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Community Development Projects.	2,036·00	4,16·87	4,84·00	4,19·83	1,320·70	Block	153	.. 32 Stage I Blocks. 64 Pre-Extension Blocks.	56 Pre-extension Blocks.	Nil.	152

XI. PANCHAYATS.

Serial number and name of scheme.	Rupees in lakhs. Provision in Third Plan.	Actuals for 1961-62.	Revised estimate for 1962-63.	Provision for 1963-64.	Total [columns (3) to (5)].	Item and Unit.	Physical targets. Third Plan Target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Panchayats (Training Schemes)—											
(a) Setting up of Training Institutes.		..	..	..	..	..	..	..	..	..	..
(b) Training Reserve ..	10·59	..	3·86	0·04	3·90	..	..	..	..	..	..
(c) Sammelans for non-officials.		..	..	..	..	State Level Conference.	..	1	..	..	1
(d) Training of non-officials.		..	..	..	..	..	25,461	..	25,461	..	25,461
(e) Training of Executive officers.		..	..	..	.	Executive officers, etc.	386	..	193	..	193
(f) Training of Extension officers.		..	..	..	..	Extension officers ..	..	192	..	..	192
Total XI, Panchayats ..	10·59	..	3·86	0·04	3·90						

XII. MAJOR AND MEDIUM IRRIGATION.

Serial number and name of scheme.	Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total columns (3) to (5).	Item and Unit.	Physical Targets. Third Plan Target. Potential.	Utilisation.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
I. *Continuation Schemes—*								
1 Parambikulam-Aliyar Project	2112·07	413·27	410·89	462·35	1286·51	000 Acres.	100·00	100·00
2 Kodayar Project System	2·07	7·04	2·66	0·16	9·86	,,	117·44	117·44
3 Mettur Canals	3·87	0·48	4·37	..	4·85	,,	45·00	45·00
4 Manimuthar Project	(—) 12·06	(—) 3·30	(—) 1·62	(—) 4·91	(—) 9·83	,,	103·00	103·00
5 Vaigai Reservoir Project	5·21	1·20	4·91	3·29	9·40	,,	21·82	21·82
6 Sathanur Project	(—) 0·94	0·99	0·53	(—) 0·33	1·19	,,	21·00	21·00
7 Krishnagiri Project	3·03	(—) 0·49	0·44	0·47	0·42	,,	9·00	9·00
8 Kattalai High Level Canal	5·90	2·83	(—) 4·43	0·27	(—) 1·33	,,	20·62	20·62
9 Pullambadi Canal Scheme	7·10	7·01	4·07	4·57	15·65	,,	22·11	22·11
10 Vidur Reservoir Project	4·77	(—) 3·46	0·99	0·46	(—) 2·01	,,	3·20	3·20
11 Nevyar Second Stage	18·46	28·42	20·72	(—) 0·21	48·93	,,	9·20	9·20
II. *New Schemes—*								
1 Improvements to Palar Anicut Channels	48·10	5·34	16·32	17·65	39·31	,,	3·28	3·28
2 Sathanur Project II Stage	55·00	5·11	20·44	8·45	34·00	,,	5·00	5·00
III. *Other New Schemes—*								
1 Ramanadhi	379·27 (for items 1–7)			5·00 (for items 1–7)	5·00			
2 Chittar Pattanamkal scheme			0·001					
3 Modernising Vaigai Channel			0·001					
4 Gomukhinadhi Scheme			0·001					
5 Manjalar Project								
6 Gatana Reservoir Project								
7 Manimukthanadhi scheme								
IV. Diversion of West Flowing Rivers	100·00	..	..	..	..			
V. Investigation and Research	10·00	..	..	..	..			
Total—Major and Medium Irrigation ..	2741·85	464·44	480·293	497·22	1,441·953		534·17	534·37

XII. MAJOR AND MEDIUM IRRIGATION—*cont.*

Physical Targets.—cont.

Serial number and name of scheme.	*Achievement in 1961–62.*		*Anticipated achievement in 1962–63.*		*Target for 1963–64.*	
	Potential.	*Utilisation.*	*Potential.*	*Utilisation.*	*Potential.*	*Utilisation.*
	(10)	(11)	(12)	(13)	(14)	(15)
I. *Continuation Schemes—*						
1. Parambikulam-Aliyar Project	Nil	Nil	7·50	2·50	17·50	10·00
2. Kodayar Project System	117·44	117·44	117·44	117·44	117·44	117·44
3. Mettur Canals	45·00	39·45	45·00	42·00	45·00	45·00
4. Manimuthar Project	103·00	103·00	103·00	103·00	103·00	103·00
5. Vaigai Reservoir Project	21·82	21·82	21·82	21·82	21·82	21·82
6. Sathanur Project	21·00	18·83	21·00	21·00	21·00	21·00
7. Krishnagiri Project	9·00	9·00	9·00	9·00	9·00	9·00
8. Kattalai High Level Canal	20·62	17·00	20·62	20·62	20·62	20·62
9. Pullambadi Canal Scheme	22·11	15·00	22·11	22·11	22·11	22·11
10. Vidur Reservoir Project	3·02	2·51	3·20	3·00	3·20	3·20
11. Neyyar Second Stage	..	..	—	..	9·20	9·20
12. Amaravathi Project	53·50	53·50	53·50	53·50	53·50	53·50
II. *New Schemes—*						
1. Improvements to Palar Anicut channels	..	..	..	..	..	..
2. Sathanur Project II Stage	..	..	..	..	..	..
III. *Other New Schemes—*						
1. Ramanadhi	..	..	..	..	..	
2. Chittar Pattanamkal Scheme	..	..	..	..	..	
3. Modernising Vaigai Channel	..	..	..	..	..	
4. Gomukhinadhi Scheme	..	..	..	..	..	
5. Manjalar Project	..	..	..	..	..	
6. Gatana Reservoir Project	..	..	..	..	..	
7. Manimukthanadhi scheme	..	..	..	..	..	
IV. Diversion of West Flowing Rivers	..	..	..	..	..	
V. Investigation and Research	..	..	..	..	..	
Total—Major and Medium Irrigation	216·51	397·55	424·19	415·99	435·89	443·39

XIII. POWER PROJECTS.

Serial number and name of Scheme.	Provision in the Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [columns (3)to(5).]	Item and unit.	Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Targe for 1963-64.	Total [columns (9)to(11)]
	RS. IN LAKHS.						Physical targets.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
I CONTINUING SCHEMES.											
1 Periyar Hydro-Electric Scheme, I Stage.	12·00	6·78	—1·31	0·41	5·88	The physical target under this Scheme has already been achieved during the Second Plan period. The budget provision is only towards balance payments.					
2 Kundah Hydro-Electric Scheme, I and II Stages.	277·00	55·78	73·15	134·49	263·42	The physical targets under this Scheme have been already been achieved during the Second Plan period.					
3 Sandynallah Reservoir Scheme.	30·00	24·50	42·12	—8·66	57·96	The Scheme on completion will enable additional generation to the tune of 54 million units per annum at Pykara and Moyar Power Stations.					
II. NEW SCHEMES.											
4 Mettur Tunnel Scheme, I Stage.	580·00	118·06	202·91	379·00	699·97	Installed capacity 1,000 KW .. H.T. Lines Miles.	100 25	Included against item 8.	..	..	..
5 Kundah Hydro-Electric Scheme, III Stage.	2306·00	301·50	519·41	556·41	1,377·32	Do.	245 96	Do.	..	165	165
6 Periyar Hydro-Electric Scheme, II Stage.	94·00	2·14	20·49	37·48	60·11	Installed capacity 1,000 K.W. ..	35	..	..	35	35
7 Anamalai Hydro-Electric Scheme (Parambikulam Project).	500·00	0·70	53·20	204·00	257·90	Installed capacity 1,000 KW .. H.T. Lines Miles.	180 136	Included against item 8.	..	..	..
8 Transmission and Distribution Project.	3,000·00	607·70	340·36	246·87	1,194·93	H.T. Lines Miles.	8,000	1,396	1,688	1,000	4,084
9 Rural Electrification ..	3,000·00	671·18	650·00	500·00	1,821·18	Villages to be electrified numbers.	8,000	1,878	1,800	800	4,478
10 Loans to licensees	200·00	27·02	25·00	15·00	67·02	Villages	No physical target has been fixed.	74 (This represents the number of villages covered by loans sanctioned during 1961-62).	Schemes not yet decided.	Schemes not yet decided.	..
11 Investigation of new Schemes.	20·00	4·91	8·33	10·25	23·49	No targets for this item as it envisages only the exploration of additional sites for future Hydel Stations.					
12 Preliminary expenses for Nuclear Power Station ..	* 10·00	..	..	..	..						
Total Power Projects. ..	10,019·00	1,820·27	1933·66	2,075·25	5,829·18						

* Taken provision only. Provision not included in the total.

XIV INDUSTRIES AND MINERAL DEVELOPMENT

1. Large and Medium Industries.

(RS. IN LAKHS.)

Serial number and name of scheme.	Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5)].	Item and Unit.	Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [Columns (9) to (11)]
	(RS. IN LAKHS.)						Physical targets.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Multi-purpose Food Plant ..	35·00	..	..	..	..	....	..	..	..	..	..
2 Pilot Iron and Steel Plant ..	75·00	8·61	14·32	1·70	24·63	....	..	..	..	..	..
3 Steel Rolling Mill	100·00	..	0·001	0·001	0·002	....	..	..	..	..	..
4 Madras Industrial Development Corporation.	100·00	..	..	..	..	....	..	..	..	..	..
5 Expansion of State Geological Department.	25·00	0·15	2·29	2·501	4·94	....	..	..	..	..	..
Total Large and Medium Industries.	335·00	8·76	16·611	4·202	29·573						

2. Handlooms.

Serial number and name of scheme.	Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5)].	Item and Unit.	Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [Columns (9) to (11)]
1 Share Capital (Admission of weavers into the Co-operative fold).	50·00	5·00	10·00	5·00	20·00	Looms to be enlisted into the co-operative fold.	1,00,000	15,502	14,000	6,000	35,502
2 Subsidy towards interest on working capital loan.	20·00	..	5·00	5·00	10·00	....	No physical target.				
3 Research and Technique.	50·00	12·20	16·97	18·00	47·17	Improved appliances ..	1,30,000	42,567	36,436	41,660	1,20,663
						Small Dye houses ..	115	45	27	10	82
						Big Dye houses ..	3	..	1	..	1
						Godowns	2	1	..	..	1
						Powersizing Plant ..	1	..	..	..	..
						Experimental Weaving Centre.	..	..	1	..	1

4 Rebate	375·00	70·67	55·00	50·00	175·67	....	No physical targets.				
5 Marketing and Publicity.	55·00	9·07	5·29	7·00	21·36	Inter-State Depots ..	10	1	2	5	8
						Silk Depots	6	1	1	1	3
						Readymade Garments Making Factory.	4	1 (Building purchased.)	..	..	1
						Sales wagons and mobile vans.	95	..	..	..	..
6 Spinning Mills ..	50·00	10·00	30·00	30·00	70·00	Spinning Mills	4 (State participation in Spinning Mills.)	1	2	3	6
7 Industrial Weavers' Co-operative Societies.	2·50	3·56	9·13	6·00	18·69	Industrial Weavers' Co-operative Societies and sheds.	..	1	6	7	14
8 Housing	100·00	25·08	23·26	7·00	55·34	Houses	2,500	486	500	(No new housing schemes.)	986
9 Contributory Thrift Fund (Provident Fund).	2·50	..	1·13	2·26	3·39	....	No physical targets.				
10 Silk and Art silk ..	15·00	1·87	2·50	2·50	6·87	Silk looms	1,000	200	300	250	750
						Art silk looms	200	100	..	..	100
						Gold Thread Making Unit.	1	..	..	..	..
11 Training	5·09	0·29	0·98	0·84	2·11	(1) Weavers in pattern making Factories.	550	128	200	200	528
						(2) Societies' staff in maintenance of accounts.	500	99	82	100	281
						(3) Dyer Supervisors ..	50	7	10	10	27
						(4) Weavers in powerlooms and pedal looms.	1,250	..	..	..	..
12 Subsidy for managerial staff.	5·00	0·51	1·50	1·30	3·31	Societies	350	99	150	130	379

2. Handlooms—*cont.*

Serial number and name of scheme.	(RS. IN LAKHS.) *Provision in Third Plan.*	*Actuals for 1961–62.*	*Revised Estimate for 1962–63.*	*Provision for 1963–64.*	*Total [Columns (3) to (5)].*	*Item and unit.*	*Physical targets.* *Third Plan target.*	*Achievement in 1961–62.*	*Anticipated achievement in 1962–63.*	*Target for 1963–64.*	*Total [Columns (9) to 11)].*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
13 Share capital of Apex Society.	5·00	—	2·00	—	2·00	....	No physical target.				
14 Organisational Expenses.	50·00	4·06	3·10	2·35	9·51	....	Do.				
15 Loans to relieve indebtedness of weavers.	2·50	0·50	1·50	1·50	3·50	Weavers	1,750	426	1,000	1,000	2,426
16 Handloom Finance Corporation.	5·00	—	10·00	0·001	10·001	....	No physical target.				
17 Small Scale Spinning Units.	7·50	0·01	0·30	0·001	0·311	Units	240	..	..	..	..
Total Handlooms ..	800·00	142·82	177·66	138·75	459·23						

3. Small Scale Industries.

A. SPILL OVER SCHEMES—											
1 Wood Seasoning Plant, Pollachi ..	2·00	0·26	0·22	0·001	0·481	Service and production value in lakhs of rupees.	..	1·49	2·50	3·25	7·24
2 Model Scientific Glass Apparatus Factory, Guindy.	3·19	1·46	0·48	2·00	3·94	.. ..	..		..	..	..
3 Quartz Crushing Plant, Salem ..	2·00	0·15	0·60	0·20	0·95	.. ..	..	..	..	..	..
4 Manufacture of fractional H.P. Electric Motors.	2·93	0·05	..	0·002	0·052	Included under item 3 under "New Schemes" below.	..	..	..	..	..
5 Cycle Assembly Unit, Thanjavur.	0·59	0·41	0·47	0·40	1·28	Value of production in lakhs of rupees..	5·00	..	1·90	4·50	6.40

(Central finishing section as an adjunct to the Service Centre for pressed metal products.	1·79	—	..	..	..	— ...	—	—	—	—	—
7 Salt Glazed Pipe Factory, Virudhachalam.	1·00	0·99	0·65	2·05	3·69	Value of production in lakhs of rupees.	5·00	Nil.	..	1·40	1·40
8 After-Care Homes, Vellore and Madras.	3·00	0·10	0·03	..	0·13	Number of persons to be trained ..	120	81	100	..	181
9 Tool Room shops at Pettai, Tiruchirappalli and Virudhunagar.	3·50	3·16	1·35	0·80	5·31	Value of production and servicing.	10·00	1·28	8·00	9·00	18·28
10 Refractories factory, Vridhachalam.	2·60	(—) 0·37	0·001	8·00	7·631	Do.	5·00	..	..	..	..
11 Staff quarters at Structural Workshop and Galvanising Plant, Mettur.	3·10	0·001	1·00	2·32	3·321	Number of quarters	Nil.	..	..	..	..
12 Model Foundry, Erode	2·00	(—) 0·009	..	..	(—)0·009	....	..	..	..	..	..
13 Wool Processing Centre, Vinnamangalam.	3·00	0·50	..	..	0·50	....	..	..	..	..	..
14 Training Centre at Madurai ..	0·74	0·30	..	..	0·30	....	..	..	..	..	...
b. NEW SCHEMES.											
1 Survey and Statistical Section at Guindy.	5·00	0·24	0·52	0·58	1·34	....		..	..	..	..
2 Forge and Heat treatment shop at Guindy.	10·00	0·11	1·41	5·23	6·75	Value of servicing and production in rupees.	..	1·77	1·90	2·00	5·67
3 Forge and Heat treatment shop at Coimbatore.	7·00	0·45	1·36	2·49	4·30		..	..	..	..	..
4 Expansion of Precision Instruments shop at Guindy.	8·00	Nil.	0·61	1·34	1·95	Do.	..	..	1·00	1·20	2·20
5 Common Lease Shops at Madurai, Coimbatore, Tiruchirappalli, and Pettai and Expansion Scheme at Guindy.	30·00	3·08	12·27	10·14	25·49	Number of parties served	..	237	250	700	1,187
6 Saw Mill and Wood Working Unit, Kargudi.	6·00	Nil.	0·005	0·29	0·295	Value of servicing in rupees	..	..	..	..	..
7 Expansion of Service Centre for Pressed Metal Products, Wall-tax Road.	4·00	1·91	0·35	1·43	3·69	Value of production and servicing in lakhs of rupees.	5·00	2·01	3·00	3·50	8·51
8 Saw Mill Section in the model combines carpentry and blacksmithy at Pettai.	..	0·12	0·41	1·51	2·04	Do.	..	4·75	5·00	5·50	15·25
9 Expansion of Leather Finishing Unit, Ambur.	10·00	0·55	5·73	7·69	13·97	Do.	..	1·82	3·50	4·00	9·32
10 Industrial Estates for Leather goods at Madhavaram.	..	..	0·05	2·66	2·71	....	..	..	..	..	..

3. Small Scale Industries—*cont.*

(RUPEES IN LAKHS.)

Serial number and name of scheme.	*Provision in Third Plan.*	*Actuals for 1961–62.*	*Revised estimate for 1962–63.*	*Provision for 1963–64.*	*Total [Columns (3) to (5)].*	*Item and Unit.*	Physical targets. *Third Plan target.*	*Achievement in 1961–62.*	*Anticipated achievement in 1962–63.*	*Target for 1963–64.*	*Total [Columns (9) to (11)].*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
11 Expansion of Service Centre for Farm Implements, Tiruchirappalli.	..	..	0·05	0·73	0·78	....	..	..	..	..	..
12 Tool rooms in Estates (Katpadi, Salem, Coimbatore, Madurai and Thanjavur and expansion of tool rooms, Erode and Guindy).	61·00	4·03	11·90	13·25	29·18	Value of servicing in rupees ..	..	5·49	8·50	9·50	23·49
13 General purpose Engineering workshop in small towns.	50·00	2·49	12·37	16·07	30·93	Value of production and servicing in lakhs of rupees.	..	..	..	2·37	2·37
14 Expansion of Electric Motors Unit, Guindy.	10·00	..	..	..	..	....	..	..	..	..	..
15 Expansion of Model Foundry, Guindy.	10·00	0·11	3·58	6·40	10·09	Value of servicing and production in lakhs of rupees.	..	2·08	3·00	4·00	9·08
16 Model Foundry in Pettai, Katpadi and Thanjavur.	4·50	1·27	3·79	2·47	7·53	Do.	..	..	..	1·20	1·20
17 Structural Workshop at Madras ..	24·00	0·04	7·32	10·06	17·42	Do.	..	..	..	15·00	15·00
18 Expansion of Ceramic Factory at Virudhachalam.	25·00	0·24	3·25	7·31	10·80	Do.	..	3·63	5·00	5·50	14·13
19 Expansion Refractories Factory, Virudhachalam.	20·00	..	..	..	..	....	..	..	..	..	..
20 Clay washing plant in Nilgiris ..	11·58	..	..	..	..	....	..	..	..	..	..
21 Expansion of Brassware and cutlery Industry, Kumbakonam.	..	..	1·37	2·12	3·49	....	..	..	..	..	..
22 Establishment of a unit at Neyveli for the manufacture of active carbon.	..	..	..	0·002	0·002	....	..	..	..	..	..
23 Die and Tool Designing Section, Guindy.	7·50	0·15	0·75	2·00	2·90	Number of parties served	250	..	300	300	600
24 Technical Wing.	10·00	..	0·10	1·00	1·10	....	..	..	..	..	..
25 Strengthening of State Directorate of Industries.	35·00	2·32	3·69	3·71	9·72	Number of units served	..	..	..	..	..
26 Technical Information Section at Madurai, Pettai, and expansion at Guindy.	10·00	Nil.	Nil.	Nil.	Nil.	Do.	..	..	..	..	..

27 Mechanical and Metallurgical inspection and Testing Shop at Guindy.	30·00	0·20	7·95	8·16	16·31	Do.	..	..	..	..	..
28 Technical Training Centre, Guindy.	8·00	0·19	2·42	6·52	9·13	Number of trainees	..	52	47	70	169
29 Ceramic Training School, Viru-dhachalam.	17·00	0·15	0·78	2·14	3·07	....	..	..	..	..	..
30 Training Centre for Tool and Die maker at Dindigul.	14·00	2·72	5·00	2·98	10·70	do	250	..	9	30	39
31 Staff School at Guindy	8·00	0·02	0·09	0·002	0·112	do	..	30	55	60	145
32 Foreign Training to Departmental Officers.	3·00	Nil.	0·01	0·10	0·11	....	..	..	..	..	..
33 Reorganisation of S. M. R. V. Techn cal Institute.	0·35	..	..	..	..	....	..	..	..	..	..
34 Exhibition, Publicity and Propaganda.	5·00	Nil.	0·75	0·75	1·50	....	..	..	..	..	..
35 Quality Marking Scheme.	5.00	..	0·02	0·55	0·57	....	..	..	..	..	..
36 Raw Metrial depots at Madurai and Coimbatore.	4·40	0·75	3·80	6·48	11·03	Number of units to be benefitted.	..	..	..	120	120
37 Subsidy on power	4·00	Nil.	0·50	1·00	1.50	....	5,000	..	..	..	..
38 Financial Assistance—Block loans.	127·60	34·07	25·00	25·00	84·07	....	..	..	..	..	..
39 Industrial Co-operatives	170·63	32·51	15·50	13·66	61·67	....	..	..	..	..	..
40 Establishment of Basic Rural Service Centres.	..	..	..	2·80	2·80	....	..	..	..	..	..
41 Subsidies	10·00	..	..	..	..	....	..	..	..	..	..
42 State Coroperation	5·00	..	..	..	..	....	..	..	..	..	..
Total, Small Scale Industries ..	800·00	94·72	137·51	184 40	416·63						

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4. Industrial Estates and Colonies.

1 Industrial Estates (Continuing) at Guindy, Virdhunagar, Madurai, Tiruchirappalli, Erode, Pettai, Thanjavur, Marthandam, Salem and Katpadi.	20·00	26·75	4·28	6·00	37·03	Construction of sheds	16	..	..	..	..
2 Workshed and Developed Plots (New Scheme).	243·00	0·31	94·43	66·20	160·94	Number of Factory Units and developed plots,	281	..	41	100	141

4. Industrial Estates and Colonies—*cont.*

(RS. IN LAKHS.)

Serial number and name of scheme.	Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5)].	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961–62.	Anticipated achievement in 1963–64.	Target for 1963–64.	Total. [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
3 Expansion of Second Plan Estates and Colonies.	50·00	Nil.	2·00	3·00	5·00	Do.	..	..	..	..	..
4 Subsidy for rent	7·00	Nil.	Nil.	Nil.	Nil.	.... ..	..	..	..	..	..
5 Two Cycle Assembly Units in Tuticorin and Krishnagiri.	Nil.	Nil.	Nil.	1·30	1·30	Two Units	2	..	..	2	2
6 Establishment of Industrial Development area around Tuticorin.	..	..	0·26	0·001	0·261	.. ..	..	..	..	..	..
8 Co-operative Estates :— 1 Pollachi 2 Tiruvottiyur 3 Coimbatore 4 Sivakasi 5 Vyasarpadi 6 Tuticorin	*	*	24·07	24·12	48·19	.. ..	..	..	..	..	..
Total, Industrial Estates and Colonies.	320·00	27·06	125·04	100·62	252·72						

* Previously included under Small Scale Industries Since brought under "Industrial Estates" from 1962-63.

5. Handicrafts.

Serial number and name of scheme.	Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5)].	Item and unit.	Third Plan target.	Achievement in 1961–62.	Anticipated achievement in 1963–64.	Target for 1963–64.	Total. [Columns (9) to (11)].
1 Upgrading and Expansion of School of Arts and crafts.	8·00	0·10	0·54	2·95	3·59	One expansion unit	1	..	..	1	1
2 Expansion of Government Sculpture Training Centre, Mahabalipuram.	3·50	0·60	1·14	1·32	3·06	Do.	1	..	1	..	1
3 Expansion of Existing Emporia and opening of new ones.	9·00	0·94	0·23	0·03	1·20	Two units	2	..	1	1	2

4 Development of Handicrafts Co operatives.	20·00	2·18	1·31	2·51	6·00	..	..	..	..	..	..
5 Training-*cum*-Production Centre for the manufacture of Clay Toys, Dolls, Statues, etc.	..	0·01	1·03	0·77	1·81	One Unit	1	..	1	..	1
6 Design Demonstration Centre, Madras.	..	..	0·12	0·34	0·46	One Unit	1	..	1	..	1
7 Other schemes	17·50	..	1·44	0·91	2·35						
Total Handicrafts ..	60·00	3·83	5·81	8·83	18·47						

6. Coir.

1 Expansion of Coir School, Ethamuzhi in Kanyakumari district.	4·00	0·08	0·75	0·23	1·06	Expansion of Unit only (for the whole Third plan period).	..	..	..	..	..
2 Plants for the manufacture of mattress and bristle fibre.	5·00	..	..	..	..	Two units	..	..	..	..	..
3 Coir Co-operatives	6·00	1·26	0·08	4·23	5·57	Godown-cum-Sales Depots No. 7 ..	2	...	2	259	4
Total Coir ..	15·00	1·34	0·83	4·46	6·63						

7. Sericulture.

1 Improvements to Government Silk Farm, Hosur.	4·11	0·57	1·00	0·83	2·40	Craft Plantation (in acres)	30	10	10	10	3
2 Scheme for mulbery graft production.	1·44	0·11	0·48	0·28	0·87	Aided Nurseries	11	11	..	..	Continuations scheme.
3 Market to cocoon growers, Tenkasi.	0·59	0·04	0·05	0·27	0·36	.. ..	3 with buildings.	..	1	1	2 buildings.
4 Expansion of Crossbreed Grainage, Berigai.	(—) 0·27	0·37	0·84	0·25	1·46	Crossbreed silkworm eggs	30 lakhs.	3·06	4·00	6·00	13·06 lakhs.
5 Strengthening of staff of sericultural branch in State Directorate.	0·83	..	..	..	..	Staff members	4	3	1	..	Four continued.

7. Sericulture—*cont.*

Serial number and name of scheme.	(RS. IN LAKHS.) Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5).]	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1963–64.	Target for 1963–64.	Total [Columns (9) to 11].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
6 Subsidy and loan to silk worm seed or Industrial rearers for sinking of irrigation wells and construction of rearing sheds.	1·75	..	0·36	0·36	0·72	Wells	35	..	7	7	14 wells
						Sheds	35	..	7	7	14 sheds
7 Expansion of Demonstration Silk Farm, Tenkasi.	..	..	0·30	0·65	0·95	.. ..	..	..	..	..	..
8 Demonstration Silk Farms in Salem and North Arcot districts.	1·90	0·14	0·33	0·17	0·64	Buildings	7	..	..	7	7 buildings.
						Silk Farms	2	2	..	..	2 Silk farms.
9 Industrial Co-operatives for Sericulturists.	2·50	..	0.02	0·02	0·04	.. ..	..	..	..	..	..
10 Silk Testing Laboratory, Hosur ..	0·15	..	..	..	..	.. ..	..	..	..	..	..
Total, Sericlture ..	13·00	1·23	3·38	2·83	7·44						

8. Village Industries.

Serial number and name of scheme.	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1 Work Centre for semi-educated youths—Blacksmithy and Carpentry Unit, Wallajapet.	8·00	0·19	1·07	2·00	3·26	Work Centre for semi educated youths.	Not fixed.	1	1	Nil.	2
Total—Village and Small Industries ..	2016·00	271·189	420·296	391 895	1083·380						
Grand Total—Industries and Mineral Development.	2351·00	279·949	436·907	396.097	1112·953						

XV. ROADS.

Serial number and name of scheme.	(RUPEES IN LAKHS). Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [columns (3) to (5)].	Item and Unit.	Physical Targets. Third Plan Target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total [columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1. State Highways (Government Roads).	400·00	92·00	128·79	127·22	348·01	(1) Cement concreting Mile. Fgs.	75	3–0	5–2	Not yet fixed.	Not furnished as the targets under col. (11) are not fixed.
						(2) Asphaltic concreting. Mile. Fgs.	1–2	0–2	0–1		
						(3) Black-topping. Mile. Fgs.	502–0	60–0	33–4		
						(4) New Metalling. Mile. Fgs.	171–0	55–0	21–0		
						(5) New formation. Mile. Fgs.	20–0	12–4	13–6		
						(6) Improvements. Nos.	33	7	4		
						(7) Major Bridges. Nos. }	} 168	10	8		
						(8) Minor Bridges. Nos. }		25	35		
2 Other roads	360·00	48·16	37·00	32·00	117·16		Mile-Fgs.	Mile-Fgs.	Mile-Fgs.	Do.	Do.
						1 Black topping ..	96–0	2–3	3–0		
						2 New formation ..	1,882–0	331·77	200–0		
						3 New metalling ..	428–0	87–0	32–0		
						4 Major bridges .. Nos. }	..	7	5		
						5 Minor bridges .. Nos. }	136	109	66		
						6 Improvements schemes—					
						Culverts .. Nos.	31	10	14		
						Improvements to roads Schemes.	Mile-Fgs.	45–4	9–0		
3 Tools and Plant	60 00	12·64	11·58	13·00	37·22		(No physical target.)				

XV. ROADS—*cont.*

	(RS. IN LAKHS.)						Physical targets.				
Serial number and name of scheme.	*Provision in Third Plan.*	*Actuals for 1961–62.*	*Revised Estimate for 1962–63.*	*Provision for 1963–64.*	*Total [Columns (4) to (6).]*	*Item and unit.*	*Third Plan target.*	*Achivement in 1961–62.*	*Anticipated achievement in 1962–63.*	*Target for 1963–64.*	*Total. [Column (9) to (11)]*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
4 Roads of economic and inter-State importance.	38·00	11·57	8·06	6·52	26·15	1 Improvements (Nos.)	3	1	1	Not yet fixed.	Not furnish-ed targets under column (12) are not fixed.
						2 New formation (mile-fgs) ..	37–0	4–2	2–1	..	..
						3 Bridges (Nos.)	..	1	1	..	..
5 Central Road Fund Scheme ..	175·00	29·92	25·00	24·00	78·92	1 Improvements (Nos.)	14	4	4	Do.	Do.
						2 New formation (Mile-fgs) ..	..	1–2	6–4	..	..
						3 Bridges (Nos.)	18	5	5	..	..
6 Security measure—Road works in Ramanathapuram district.	27·00	25·32	19·54	3·27	48·13	1 Formation (mile-fgs) ..	No target.	88·2	38–2	Do.	Do.
						2 Gravelling (mile-fgs) ..		64·0	71–6		
						3 Metalling (mile-fgs) ..		26·2	29–2		
						4 Culverts (Nos.)		355	191		
						5 Road-Damand Cause ways (Nos.) ..		16	6		
						6 Harbed (Nos).		Nil.	3		
7 Construction of over/under bridges in lieu of existing level crossings (Madras Corporation).	40·00	..	5·00	28·00	33·00	Over bridges (Nos.)	2	..	..	..	
Total Roads ..	1,100·00	219·61	234·97	234·01	688·59						

XVI. TOURISM

Serial number and name of scheme.	(RS. IN LAKHS.) Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [columns (3) to (5)].	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Targets for 1963–64.	Total. [columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
I. *Low Income Group Rest-House*—											
Yercaud	2·50										
Ennore	0·50	..	..	..	..						
Thanjavur	1·00	..	..	..	..						
Tiruvannamalai	1·50	..	..	..	..						
Hogainakkal	1·50	..	..	..	..						
Cape Comorin	0·75	..	..	..	..						
Suruli	0·50	..	..	..	..						
Tiruchirappalli	1·50	..	0·06	..	0·06						
Mahabalipuram	..	..	..	..	..						
Provision of conveyance at Madurai and Cape Comorin.	1·50	..	..	..	..						
Development of Valparai as a health resort.	5·00	..	..	..	..	Number of rest houses to be constructed.	16	2	1	..	3
Total ..	16·25	..	0·06	..	0·06						
***Continuing Scheme*—**											
II. Rest-houses at Madurai and Chidambaram.	0·60	..	0·04	..	0·04						
***New Schemes*—**											
Improvement of Rani Mangammal Chatram at Madurai.	0·63	..	0·45	..	0·45						
Holiday huts on Madras-Mahabalipuram Beach.	1·87	..	..	0·001	0·001						

XVI. TOURISM—*cont.*

Serial number and name of scheme.	(RS. IN LAKHS.) Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (4) to (6).]	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total. [Columns (9) to (11)]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Low Income Group Rest-house—											
Ootacamund	0·63	..	2·79	0·01	2·80						
Courtallam	2·50	..	..	..	..						
Kodaikanal	0·62	..	0·001	0·001	0·002						
Kancheepuram	0·75	..	..	..	..						
Rameswaram	0·75	..	..	..	..						
Boating facilities in and desilting of the lakhs at Ootacamund and Kodaikanal.	1·00	..	0·02	0·02	0·04						
	9·35	..	3·30	0·03	3·33						
Grand Total ..	25·60										
Lump-sum cut	0·60										
Total ..	25·00	..	3·36	0·03	3·39						

XVII. GENERAL EDUCATION.

Serial number and name of scheme.	Rs. in lakhs.					Item and Unit.	Physical targets.				
	Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5)].		Third Plan Target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. ELEMENTARY EDUCATION—											
Enrolment of pupils under age group 6—11.	1,138·00	190·00	233·06	240·40	663·46	Pupils in lakhs	14 lakhs (Original Target, 17 Revised Target)	3·8	4·00	3·00	10·80
						Teachers	31,000 (Original target, Revised target not yet fixed).	9,000	5,000 (provisional)	6,600	20,600
2 Supply of Mid-day Meals. ..	211·36	The scheme has since been treated as a Non-Plan Scheme.									
3 Enrolment of pupils in the age group 11—14.	250·00	0·33	40·34	60·00	100·67	Pupils in lakhs	2·15	0·70	1·50	0·35	2·55
						Teachers	5,375	4,000	2,500 (provisional)	875	7,375
4 Improvement of Primary Schools in the Transferred Areas.	49·00	..	0·51	0·51	1·02	Schools	..	43	..	..	43
5 Re-orientation training to Elementary School Teachers to enable them to implement the revised syllabus.	2·96	2·21	1·70	..	3·91	Re-trainees	19,400	10,400	9,000	..	19,400
6 Provision of Libraries in Elementary Schools.	3·20	0·23	0·91	0·91	2·05	Higher Elementary Schools.. ..	5,000	800	1,000	1,000	2,800
						Lower Elementary Schools	22,000	3,000	4,400	4,400	11,800
7 Conversion of Elementary Schools into Basic including Re-training Programme.	34·15	3·94	..	..	3·94	Schools	2,000	400	..	..	400
						Re-trainees	4,000	800	..	..	2,800

XVII. GENERAL EDUCATION—*cont.*

(RS. IN LAKHS.) — Physical targets.

Serial number and name of scheme.	*Provision in Third Plan.*	*Actuals for 1961-62.*	*Revised Estimate for 1962-63.*	*Provision for 1963-64.*	*Total [Columns (3) to (5).]*	*Item and unit.*	*Third Plan target.*	*Achievement in 1961-62.*	*Anticipated achievement in 1962-63.*	*Target for 1963-64.*	*Total [Columns (9) to (11).]*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. ELEMENTARY EDUCATION—*cont.*											
8 Construction of Buildings for Government Basic Training Schools.	15·00	6·54	4·087	3·14	13·767	Buildings	..	..	..	..	..
9 Training of additional Teachers ..	30·00	10·94	17·92	21·99	50·85	Sections	224	66	72	66	204
						Trainees	11,200	3,300	3,600	3,300	10,200
10 Construction of Quarters for Women Teachers.	25·00	..	8·73	12·38	21·11	Quarters	750	14	349	375	738
11 Strengthening of the Administrative Staff.	41·33	1·14	5·15	11·82	18·11	.. ..	..	..	..	..	..
TOTAL—A. ELEMENTARY EDUCATION. ..	1,800·00	215·33	312·407	351·15	878·887		..	..	..	..	..
B. SECONDARY EDUCATION—											
1 Enrolment of Pupils of the age group 14—17	245·00	13·06	20·47	53·902	87·432	Pupils	75,000	25,000	25,000	60,000	110,000
						Teachers	1,875	625	625	1,250	2,500
2 Free Education for Girls Up to Standard X.	100·00	23·652	25·901	26·411	75·964						
3 Construction of Buildings for Government Secondary Schools.	15·00	..	1·46	0·30	1·76						
4 Development of Higher Secondary Education.	105·00	0·74	0·004	..	0·744	Schools	200	..	..	..	..
5 Opening of Multi-purpose Schools.	39·00	0·91	0·34	1·242	2·492	Courses	150	30	30	30	90
6 Improvement of Secondary Education.	70·33	0·49	7·57	5·21	13·27	Science	40	8	8	10	26
						Core	270	54	54	60	168
						Libraries	540	108	108	100	316
						Craft	180	36	36	36	108
7 Training of Teachers for Higher Secondary Schools.	16·08	0·12	0·30	..	0·42	Teachers	1,200	..	..	..	..
8 Construction of Hostels for Girls	18·00	0·12	7·09	3·60	10·81	Hostels	40	7	8	8	23
9 Award of Merit Scholarships ..	..	..	0·17	0·33	0·50	....		..	..	(*)	..
TOTAL—B. SECONDARY EDUCATION. ..	609·01	39·092	63·305	90·995	193·392		..	..	..	..	..

C. UNIVERSITY EDUCATION—														
1 Grants to Madras University ..	35·00	..	0·001	0·001	0·002									
2 Grants to Annamalai University.	15·00	0·33	6·00	0·001	6·331									
3 Development of Facilities for Presidency College.	6·00	0·31	0·71	0·38	1·40									
TOTAL C. UNIVERSITY EDUCATION. ..	56·00	0·64	6·711	0·382	7·733									
D. OTHER EDUCATIONAL SCHEMES—														
(i) Social Education (including Libraries)— 1 Adult Education	20·00	0·01	0·80	1·29	2·10	Adult Schools	..	..	..	1,500	..	..	300	300
						Training Schools	..	..	..	...	..	..	..	..
2 Public Library Service ..	50·00	2·67	5·64	8·11	16·42	Branch Libraries	..	..	..	300	60	60	60	180
3 Connemara Public Library ..	..	0·80	1·00	..	1·80									
Total (i) ..	70·00	3·48	7·44	9·40	20·32									
(ii) Audio-Visual Education— Audio-Visual Education ..	1·00	0·19	0·20	0·20	0·59									
Total (ii) ..	1·00	0·19	0·20	0·20	0·59									
(iii) Physical Education— 1 Acquisition of playgrounds in Urban areas.	2·00	0·40	0·25	0·20	0·85	Schools ..	..	..	..	..	4	4	4	12
2 Appointment of Physical Training Instructors in Aided Higher Elementary and Basic Schools.	..	0·06	1·42	1·87	3·35	Physical Training Instructors.		..	..	..	66	80	80	226
Total (iii) ..	2·00	0·46	1·67	2·07	4·20									

* Increase in the number of scholarships in standard VI to X 308 and VIII to X 78.

XVII. GENERAL EDUCATION—*cont.*

(RS IN LAKHS.)

Serial number and name of scheme.	*Provision in Third Plan.*	*Actuals for 1961-62.*	*Revised Estimate for 1962-63.*	*Provision for 1963-64*	*Total. [Columns (3) to 5).]*	*Item and unit.*	Physical targets. *Third Plan target.*	*Achievement in 1961-62.*	*Anticipated achievement in 1962-63.*	*Target for 1963-64.*	*Total [Columns (9) to 11].*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
D. OTHER EDUCATIONAL SCHEMES—*cont.*											
(iv) Education of the Handicapped—											
Provision of Educational facilities for the Handicapped.	4·98	..	0·31	0·90	1·21	Schools Deaf ..	..	..	1	..	1
						Schools, Blind	..	..	1	..	1
Total (iv) ..	4·98	..	0·31	0·90	1·21						
(v) Improvements in the Emoluments of Teachers	..	..	58·18	84·00	142·18						
Total—D. Other Educational Schemes.	77·98	4·13	67·80	96·57	168·50						
CENTRALLY SPONSORED SCHEMES.											
Promotion of Hindi	..	..	..	..	..						
TOTAL—EDUCATION (OTHER THAN TECHNICAL EDUCATION).	25,42·99	2,59·192	450·223	539·097	12,48·512						

2. CULTURAL ACTIVITIES.

Serial number and name of scheme.	(RS. IN LAKHS.) Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5).]	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total. [Columns (9) to (11).]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1 Archaeology	1·00	0·56	0·66	0·65	1·87	....	..	..	..	..	..
2 Development of academies.. ..	7·00 }	1·60	0·74	0·49	2·83	....	..	..	..	..	..
3 Grants to Voluntary organisation	1·50 }										
4 Exchange of Cultural Troupes, etc.	1·00 }										
5 Improvement to Government Museums at Madras and Pudukottai, (State Share only).	5·00	0·07	2·06	0·85	2·98						
6 Development of Regional Languages.	5·00	..	..	..	..						
7 District Gazetteer .. .. .. (State share only).	0·60	0·10	0·25	0·30	0·65	Preparation of District Gazetteers for— 1 Salem, 2 Kanyakumari, 3 Tirunelveli, 4 Ramanathapuram, 5 Tiruchirapalli, 6 North Arcot, 7 Nilgiris, 8 Chingleput, 9 Madras and 10 State Gazetteer for Madras.			Salem, Kanyakumari, Tirunelveli.	Ramanathapuram. Tiruchirapalli including completion. of work on hand.	
Total ..	21·10	2·33	3·71	2·29	8·33						

XVIII TECHNICAL EDUCATION.

Serial number and name of scheme.	(RS. IN LAKHS.) Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5).]	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total. [Columns (9) to (11).]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
I. Continuation Schemes—											
1 Expansion and development of existing Polytechnics— (i) Madras. .. .. (ii) Coimbatore .. .. (iii) Madurai .. .. (iv) Regional School of Printing, Madras. (v) Institute of Leather Techonology, Madras.	25·00	4·28	15·22	17·08	36·58		(No target.)				
2 Establishment of Polytechnics at Vellore and Nagercoil.	40·00	6·10	13·53	15·97	35·60		Do.				
3 Grant-in-aid to private Polytechnics.	40·00	23·08	10·00	10·50	43·58		Do.				
4 (*a*) Expansion and development of Engineering Colleges at Guindy and Coimbatore.	35·00	7·48	5·44	11·26	24·18		Do.				
5 Introduction of Five-Year Integrated Courses including Grant-in-Aid to private Colleges.	20·00	0·53	4·43	10·30	15·26		Do.				
6 Grant-in-aid to private Engineering Colleges including Madras Institute of Technology.	9·00	13·28	6·05	6·45	25·78		Do.				
7 New Buildings for Central Polytechnic, Madras.	45·50	9·63	35·57	20·15	65·35		Do.				
II. New Schemes—											
1 Establishment of Regional Engineering College at Tiruchirappalli.	20·00	..	..	..	..		Do.				
2 Grant-in-aid for establishment of private Engineering College	10·00	..	..	..	..		..				
3 Establishment of Government Polytechnic at Nilgiris.	20·00*	..	..	..	..	Number of institution 1	Number of institution-1.				

4 Establishment of Technical Institutions for Women.	30·00	..	1·31	8·85	10·16	Number of Institutions	3	..	1	2	3
						Number of pupils	300	..	100	200	300
5 Establishment of Polytechnics for Sandwich course at Coimbatore.	10·00	0·50	1·00	0·70	2·20	Number of Institution	1	1	..	..	1
						Number of students	30	30	..	..	30
6 Establishment of Training Centre for Chemical operators.	12·00	..	0·001	0·75	0·751	Number of Institution	1	..	1	..	1
						Number of students..	60	..	60	..	60
7 Grant-in-aid for establishment of Polytechnics in private sector.	10·00	..	..	..	..	Number of Institutions	2	..	..		3
						Number of students	240 (No target.)	..	120	180 (Dindigul 120) Rajapalayam (60)	300
8 Part-time, short-term, post diploma courses and teachers training scheme.	50·00	..	..	..	..						
9 Rehabilitation of Obsolete equipment at Government and non-Government institutions.	20·00	0·09	1·50	2·00	3·59		Do.				
10 Limited Post Graduate Activity training and Research at selected institutions in the State.	20·00	0·05	0·25	1·80	2·10		Do.				
11 Establishment of junior technical schools.	100·00	5·41	9.86	14·08	29·35	Number of schools or institutions.	20	1	2	4	7
						Number of students ..	1,200	60	120	240	420
12 Development of School of Arts and Crafts (for National Diploma and certificate course).	10·00	..	..	..	..		(No target.)				
13 Scholarship and training abroad merit-*cum*-means scholarships.	40·00	0·10	0·30	0·50	0·90		Do.				
14 Strengthening of Directorate of Technical Education.	5·00	..	0·54	3·66	4·20		Do.				
15 Construction of staff quarters.	15·00	0·10	..	..	0·10		Do.				
16 Additional intake in existing Engineering Colleges (Private and Government)—	..	..	..	..	..	Number of students	240		60, 36 for the II year B.E.	205	301
(*a*) Grant-in-aid to private engineering colleges for increased intake.	20·00	1·88	3·79	7·76	13·43						
(*b*) Construction of buildings and purchase of equipments for Engineering colleges, Guindy and Coimbatore.											

* The provision of Rs. 20 lakhs for starting a Government Polytechnic in the Nilgiris District, is proposed to be utilised for the Polytechnic to be started in the Tiruchirappalli district.

XVIII. TECHNICAL EDUCATION—*cont.*

Serial number and name of scheme.	(RS. IN LAKHS.) *Provision in Third Plan.*	*Actuals for 1961–62.*	*Revised Estimate for 1962–63.*	*Provision for 1963–64.*	*Total [Columns (3) to (5).]*	*Item and unit.*	*Physical targets.* *Third Plan target.*	*Achievement in 1961–62.*	*Anticipated achievement in 1962–63.*	*Target for 1963–64.*	*Total [Columns (9) to (11).]*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
II. New Schemes—cont.											
17 Provision of separating the diploma course at P.S.G. College, Coimbatore and A.C. College, Karaikudi and establishing separate polytechnics with an intake of 150 students.	10·00	..	1·00	2·00	3·00	Number of students 60	60	..	..	60	60
18 Additional intake in existing Polytechnics. (Private and government) (*a*) Grant-in-aid to private Polytechnics for additional intake. (*b*) Construction of buildings and purchase of equipment for government polytechnics for additional in take.	80·00	..	1·60	1·80	3·40	Number of students 280	280	120	30	360	510
19 Establishment of Government Engineering College at Salem.	..	..	1·50	12·50	14·00	Number of students 180	..	..	..	..	..
20 Film institute.	5·50	..	2.00	3·00	5·00		(No target.)				
21 Post-Diploma Course in Town and Country Planning.	..	..	0·09	0·50	0·59						
22 Loans to students in professional colleges.	..	..	2·00	3·00	5·00						
Grand Total-Technical Education.	652·00	72·46	116·981	154·56	344·001						
	..	..	..	*—25·00	..						
Net Total-Technical Education.	652·00	72·46	116·981	1,29·56	319·001						

* Represent Lumpsum cut due to probable savings

XIX. HEALTH.

a. MEDICAL.

Serial number and name of scheme.	Provision in Third Plan. (RS. IN LAKHS.)	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5).]	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1963-64.	Target for 1963-64.	Total [Columns (9) to 11].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
CENTRALLY-ASSISTED SCHEMES—											
I. Hospitals and Dispensaries—											
1 Opening of a New Mental Hospital.	15·00	1·20	..	..	1·20	Beds	300	..	..	..	..
2 Improvements to Non-taluk Headquarters Hospitals.	8·00	0·48	2·009	2·09	4·579	Beds	200	8	6	20	34
3 Improvements to Taluk Headquarters Hospitals including increase of bed strength by 1,500 beds.	50·00	18·17	13·011	8·02	39·201	Beds	1,500	168	236	232	636
4 Improvements to District Headquarters Hospitals including increase by 1,000 beds in all District Headquarters Hospitals.	30·00	28·29	18·83	12·908	60·028	Beds	1,000	334	199	160	693
5 Construction of quarters for District Medical Officers, Assistant District Medical Officers and other Subordinate Officers in the mufassal.	5·47	0·74	4·302	1·905	6·947	Qrs.	150	9	5	12	26
6 Construction of quarters for Nurses.	7·00	1·19	1·795	0·868	3·853	Qrs.	100	32	10	8	50
7 Provision of ambulance vans for District Headquarters Hospitals and some Taluk Headquarters Hospitals.	5·00	..	0·27	0·08	0.35	Vans	50	..	1	..	1
8 Artificial limb centres to be opened at Madras.	3·00	..	0·44	0·23	0·67	Centre	1	..	1	..	1
9 Improvements to Teaching Hospitals and City State Hospitals.	87·00	25·10	8·75	14·566	48·416	Beds	1,665	184	94	733	1,011
10 Construction of New Government Hospital at Virudhunagar and Nilakkottai.	..	..	2·32	0·10	2·42	.. ..	..	..	..	..	..
Group I—Total ..	210·47	75·17	51·727	40·767	167·664						

XIX. HEALTH—*cont.*

a. MEDICAL—*cont.*

Serial number and name of scheme.	Provision in Third Plan. (Rs. in lakhs.)	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5)].	Item and unit.	Third Plan Target. (Physical targets.)	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total. [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
II. Health Units—											
1 Opening of 220 Primary Health Centres.	100·00	20·91	16·859	11·496	49·265	P.H.C. Buildings ..	220	5	8	40	53
Group II—Total ..	100·00	20·91	16.859	11·496	49·265						
III. Medical Colleges—											
1 Establishment of a Medical College.	..	..	..	..	..	Medical College ..	1	..	..	..	..
2 Improvements to the following Medical Colleges—											
(i) Medical College, Madras.	..	..	1·341	2·501							
(ii) Madurai Medical College, Madurai.	..	..	0·725	5·58							
(iii) Stanley Medical College, Madras.	200·00	..	1·67	0·75	155·317	Upgraded Department ..	7	..	..	2	2
(iv) Thanjavur Medical College, Thanjavur.	..	56·32	53·26	32·48							
(v) Improvements to Kilpauk Medical College and Hospital, Madras.	..	..	0·60	0·09							
Group III—Total ..	200·00	56.32	57·596	41.401	155·317						
IV. Training programmes—											
1 Training of 400 additional nurses at 100 admissions per annum.	10·00	1·50	2·64	3·87	8·01	Nurses	1,700	164	339	308	811
2 Training of 150 Pharmacists.	6·00	0·81	1·05	2·86	4·72	Pharmacists, additional ..	150	50	..	100	150
3 Integration of Public Health with basic course of Nursing.	..	..	0·79	0·77	1·56	Nurse, additional ..	180	..	36	36	72
4 Opening of Training Centres for para Medical Workers for Leprosy Control Scheme.	..	..	0·19	0·28	0·47	..	..	..	..	..	..
Group IV—Total ..	16·00	2·31	4·67	7·78	14·76						

V. Indigenous System of Medicine—						College					
1 Opening of a New Hospital and College of Indigenous Medicine.	25·00	..	0·001	* 0·001	0·002	Beds	120				
Group V—Total ..	25·00	..	0·001	0·001	0·002						
VI. Control of Diseases—											
(c) Tuberculosis—											
1 Establishment of T.B. Clinics in 10 Taluk Headquarters Hospitals.	12·0	2·94	0·50	..	3·44	Clinics. T. B.	10	..	..	..	..
						Demonstration Centre.	..	..	..	1	1
2 Improvements to Tuberculosis Sanatoria— (i) Tambaram .. .. .. (ii) Nagercoil (increase of 60 more beds).	10·00	2·73	1·36	0.90	4·99	Beds	260	144	..	100	244
(iii) Otteri (increase of 200 more beds and improvements to Tuberculosis Institute, Egmore).			0·27	..	0·27						
(d) Leprosy—						L. C. Units	7	..	3	4	7
1 Establishment of 25 Leprosy Subsidiary centres in all districts.	40·00	1·52	2·25	2·94	6.71	S.E.T.	128	..	..	..	..
2 Improvements and upgrading the following Leprosy Centres:— (i) Leprosy Teaching and Study Centre, Tirukoilur. (ii) Leprosy Centre, Madurai .. (iii) Leprosy Centre, Salem district.	20·00	..	0.008	..	0·008	Training Centre	1	1	..	..	1
(e) Venereal Diseases—											
1 Improvements to the upgraded Department of Venereal Diseases in Government General Hospital, Madras, and construction of buildings to Venereal Disease Clinics in the District Headquarters Hospitals.	5·00	0·29	0·007	* 0·001	0·298	....	..	..	..	..	..
Group VI—Total ..	87·00	7·48	4·395	3·841	15·716						

* Token provision.

XIX. HEALTH—*cont.*

a. MEDICAL—*cont.*

(RS. IN LAKHS.)

Serial number and name of scheme.	*Provision in Third Plan.*	*Actuals for 1961–62.*	*Revised Estimate for 1962–63.*	*Provision for 1963–64.*	*Total. [Columns (3) to (5).]*	*Item and unit.*	*Physical targets.* *Third Plan target.*	*Achievement in 1961–62.*	*Anticipated achievement in 1962–63.*	*Target for 1963–64.*	*Total. [Columns (10) to (12)]*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
VII. Laboratory Services—											
1 **Improvements to King Institute, Guindy.**	33·00	..	1·05	4·50	5·55	Stable	1	..	..	..	..
2 Establishment of a Bio-chemical Laboratory at each of the Government Kasturba Gandhi Hospital for Women and Children, Government Royapettah Hospital, Madras and Government Ophthalmic Hospital, Madras.	5·00	..	0·021	0·001	0·022	.. ..	..	..	..	..	..
Group IX—Total ..	38·00	..	1·071	4·501	5·572						
VIII. **Research and Statistics**—											
1 Grant to State Research Committee and other voluntary agencies.	10·00	0·34	0·57	0·50	1·41	Grant Financial	10·00	0·34	0·57	0·50	1.41
Group X—Total ..	10·00	0·34	0·57	0·50	1·41						
XI. Miscellaneous Schemes—											
1 Other schemes (Medical) .. Infectious Diseases Hospital at Austinpatti.	10·00 ..	.. ..	.. 2·00	.. 9·00	.. 11·00						
Group XI—Total ..	10·00	..	2·00	9·00	11·00						
Total, Centrally-assisted Schemes.	696·47	162·53	138·889	119·287	420·706						
Centrally-sponsored Schemes—											
1 Training Programme— Training of 20 Medical Officers abroad in post-graduate Courses.	5·00	..	..	..	..	Medica Officers	20	..	4	2	6
Total I.—Training Programme ..	5·00	..	..	..	..						

II. Family Planning—											
1 Opening of Family Planning Clinics in all Government Hospitals and Primary Health Centres.	..	..	..	..	..	....	..	..	..	..	..
2 Improvements to the existing Family Planning Clinics in all Districts Headquarters Hospitals and Taluk Headquarters Hospitals in buildings and equipments.	64·00	4·75	5·93	5·53	16·21	F.P. Clinics 100	..	..	..	20	20
						(Urban 150 Rural) .. .. .. No.	..	..	4 5,00,000	30 ..	34 5,00,000
3 Supply of Family Planning Manual to mothers.	..	..	..	..	..						
4 Establishment of full time Surgical Units.	..	..	..	..	..	Units	..	..	6	..	6
Total—II Family Planning ..	64·00	4·75	5·93	5·53	16·21						
Total—Centrally sponsored scheme.	69 00	4·75	5·93	5·53	16·21						
Centrally assisted schemes ..	696·47	162·53	138·889	119·287	420·706						
Centrally sponsored schemes (State's share only).	69·00	4·75	5·93	5·53	16·21						
Medical Schemes—Grand total ..	765·47	167·28	144·819	124·817	436·916						
Adjustments ..	(—)15·47	..	..	..	..						
Total—(a) Medical ..	750.00	167·28	144·819	124·817	436·916						

(b) PUBLIC HEALTH.

I Hospitals and Dispensaries—											
(1) Mobile epidemic unit	5·00	0·57	0·64	0·82	1·53	**Number of units to be constituted..**	(4)	(1)	(1) **Maintenance of the two units.**		(2)
	5·00	0·57	0·64	0·82	1·53						
II Health Units—											
(2) Construction of 20 isolation sheds.	2·00	..	0·18	0·20	0·38						
	2·00	..	0·18	0·20	0·38						

(b) PUBLIC HEALTH—*cont.*

Serial number and name of schemes.	RS. IN LAKHS. Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total. [Columns (3) to (5)].	Item and unit.		Physical targets. Third Plan target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total. [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)	(11)	(12)
III Training Programmes—												
(3) Training of 120 Health Visitors.	4·00	0·15	1·38	0·52	2·05	Number of Health Visitors to be trained. 18 Month's Course 30 Months Course		120	21	..	30	51
(4) Training of 4,000 Thayis ..	10·00	1·38	2·00	2·00	5·38	Number of Thayis to be trained ..		4,000	577	800	800	2,177
(5) Training of auxilary health workers.	1·00	..	1·73	2·49	4·22	Number of candidates to be given In Service Training.		80	..	10	20	30
	15·00	1·53	5·11	5·01	11·65							
IV Control of diseases—												
(6) National Malaria Eradication Programme.	100·00	119·66	102·002	102·82	324·482	Population to be covered	(in lakhs)	330	333	333	333	333
(7) National Filaria Control Programme.	20·00	2·83	3·33	3·46	10·62	Population to be benefited	Do.	12	12	12	12	12
(8) B.C.G. Vaccination Campaign..	14·00	4·03	3·71	3·90	11·64	Population to be served	Do.	79	12	8	8	28
(9) Small-pox Eradication Programme.	60·00	1·50	3·37	3·56	8·43	Population to be vaccinated	Do.	330	16·06	16·46	110·00	142·52
(10) Immunisation of Pre-School children with Triple vaccine.	7·00	..	2·10	2·10	4·20	Number of children to be immunised.	Do.	7·92	Nil	Nil	3.3	3·3
(11) Control of Guinea-worm Diseases.	15·00	1·61	2·51	2·61	6·73	(i) Villages to be surveyed.			3,392	13,050	Resurvey of all villages.	
						(ii) Cases to be treated.			614	10,000	..	10,614
(12) Eradication of Yaws in Coimbatore district.	8·00	1·36	1·11	1·12	3·59	Population to be served ..	..	Entire population in Coimbatore district. examined.	2·33 lakhs.	Survey and treatment if yaws cases in Coimbatore district.		2·33 lakhs.
	234·00	131·99	118·132	119·57	369·692							

V Mates al nd Child Health Services—												
(13) Construction of Maternity and Child W fare Centre Buildings.	10·00	..	Scheme dropped.									
	10·00											
VI School Health—												
(14) Provision of Sanitary facilities in Schools.	10·00	0·08	1·60	1·80	3·48	Schools to be selected	500	..	100	100	200
(15) School Medical Inspection ..	10·00		Scheme deferred.								
	20·00	0·08	1·60	1·80	3·48						
VII Laboratory Services—											
(16) Development of Public Health Laboratories Implementation of Dr. U. K. Rao's Committee Report.	12·00	1·50	0·081	0·001	1·582						
		Scheme has not been sanctioned.									
	12·00	1·50	0·081	0·001	1·582						
VIII Research and Statistics—											
(17) Establishment of Epidemiological Unit at the Directorate of Public Health, Madras.	2·00	0·33	0·25	0·41	0·99	Number of units to be established ..	1	1			
	2·00	0·33	0·25	0·41	0·99						
Grand total—Public Health ..	300·00	136·00	125·993	127·311	389·304						

(C). WATER SUPPLY AND SANITATION.

1. Urban Water Supply and Drainage Schemes.	750·00	113·05	133·72	104·96	351·73

C. WATER SUPPLY AND SANITATION—*cont.*

Serial number and name of schemes.	(Rs. in lakhs.) Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5)].	Item and Unit.	Physical targets. Third Plan. Target.	Achievement in 1961–62.	Anticipated achievement (3) to (5) in 1962–63.	Target for 1963-64.	Total [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
2. Water Supply and Drainage Scheme of the Madras Corporation.	200·00	46·18	81·39	145·00	272·57	Laying and purchasing of pipes	..	..	..	..	..
3. Rural Water Supply and Sanitation.											
(i) Water Supply Comprehensive Schemes.	116·00	23·69	0·31	..	24·00	(Scheme transferred to Panchayat Unions and executed under Village works grants.)	..	..	..	..	..
(ii) National Water Supply and Sanitation (Rural) Scheme.	34·00	14·20	14·79	3·93	32·92	Works	468	110	358	34 (Tentative)	468
Total—Rural Water Supply and Sanitation.	150·00	37·89	15·10	3·93	56·92						
Total—(c) Water Supply and Sanitation.	1100·00	197·12	230·21	253·89	681·22						
Total—Health ..	2150·00	500·40	501·022	506·018	1507·440						

XX. HOUSING AND URBAN DEVELOPMENT.

I. HOUSING.

Serial number and name of scheme.	(Rs. in lakhs.) Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5).]	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total. [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Centrally Assisted Schemes.											
I Subsidised Industrial Housing—											
(a) Government Projects	1,25·00	12·42	20·00	9·86	42·28	Houses	4,384	218	470	..	688
(b) Co-operative Projects ..	50·00	14·10	20·00	10·19	44·29	Do.	1,200	405	360	..	765
(c) Private Industrial Projects ..	25·00	1·42	4·00	1·00	6·42	Do.	680	54	100	..	154
II Plantation Labour Housing ..	5·00	0·19	1·75	0·90	2·84	Do.	..	20	100	..	120
III Village Housing Projects ..	25·00	7·99	9·87	6·31	24·17	Do.	1,350	555	500	..	1,055
IV Low-Income Group Housing—											
State Housing Board	3,20·00 (for the three)	25·00	25·00	21·58	71·58	Do.	1,812	32	450	..	482
Co-operative Societies		23·77	25·00	13·00	61·77	Do.	1,500	525	300	..	825
Local Bodies		6·73	1·04	1·13	8·90	Do.	..	63	..	..	63
Centrally sponsored Schemes.											
I Slum Clearance Scheme	75·00	8·78	15·00	15·00	38·78	Open Developed Plot	9,000	2,014	1,227	2,900	6,141
						Tenements	4,000	224	1,284	350	1,858
II Land Acquisition and Development Scheme	(Cost met under Central Plan.)					Acres	6,000	290	425	3,168	3,883
Total—Housing	6,25·00	100·40	121 66	78 97	301·03						

2. TOWN-PLANNING.

Serial number and name of scheme.	(Rs. in lakhs.) Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64	Total. [Columns (3) to (5).]	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961–62.	Anticipated achievement in 1962–63.	Target for 1963–64.	Total. [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1 Town-Planning and Town-Development Schemes (Loans to Local Bodies).	56·65	12·05	8·54	10·00	30·59	Number of Town-Planning Schemes.	260	45	52	52	148
2 Preparation of Outline Development Plans and Master Plans (Municipal Town-Planning).	10·14	0·73	0·82	1·49	3·04	Number of Outline Development Plans.	22	3	1	1	5
3 Preparation of Regional Plans.	8·21	0·49	0·65	1·15	2·29	Number of Regional Plans.	8	(Survey work is in progress.)			
Total—Town-Planning ..	75·00	13·27	10·01	12·64	35·92						
Grand Total—Housing and Urban Development.	700·00	113·67	131·67	91·61	336·95						

XXI. WELFARE OF BACKWARD CLASSES.

Serial number and name of scheme.	(Rs. in lakhs.) Provision in Third Plan.	Actuals for 1961–62.	Revised Estimate for 1962–63.	Provision for 1963–64.	Total [Columns (3) to (5)]	Item and unit.	Physical targets. Third Plan target.	Achivement in 1961-62.	Anticipated achievement in 1962–63.	Traget for 1963–64.	Total [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Grants-in-aid Schemes											
A. Scheduled Tribes—											
1. Education—											
1 Opening of Residential schools. 2 Conversion of Non-residential schools into Residential schools.	2·00 1·00	0·06	0·60	0·46	1·12	Number of schools	10	3	2	2	7
3 Construction of buildings for Non-Residential schools. 4 Construction of buildings for Residential schools.	1·20 2·50	0·72	0·62	0·60	1·94	Number of school buildings ..	37	6	6	8	20
5 Opening, Maintenance and construction of hostels.	3·00	0·23	0·85	0·85	1·93	Number of hostels	6	2	2	1	5
6 Award of Non-residential scholarships.	0·30	0·01	0·06	0·06	0·13	Number of scholarship	600	6	120	120	246
Total I—Education ..	10·00	1·02	2·13	1·97	5·12						
II. Economic uplift—											
1 Agricultural subsidy (plough bulls and implements and seeds, etc.)	5·00	1·23	1·16	1·00	3·39	Number of pairs	1,250	205	225	250	680 pair of bulls.
2 Subsidy for minor irrigation works (irrigation wells).	3·00	—	0·60	0·60	1·20	Number of wells	200	31	40	43 wells.	114 wells.
3 Cottage industries	5·00	0·55	0·73	0·73	2·01	Number of centres (Co-operative Societies).	..	6	2	2	10
Total II—Economic uplift ..	13·00	1·78	2·49	2·33	6·60		..	..	..	..	..

XXI. WELFARE OF BACKWARD CLASSES—*cont.*

(RS. IN LAKHS.)

Serial number and name of scheme.	*Provision in Third Plan.*	*Actuals for 1961–62.*	*Revised Estimate for 1962–63.*	*Provision for 1963–64.*	*Total [Columns (3) to (5).]*	*Item and unit.*	*Physical targets.* *Third Plan target.*	*Achievement in 1961–62.*	*Anticipated achievement in 1962–63.*	*Target for 1963–64.*	*Total. [Columns (9) to 11].*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
II. Health, Housing and other schemes—											
1 Drinking water wells	4·00	0·77	0·60	0·84	2·21	Number of drinking water wells ..	200	53	30	37	120
2 Medical units	2·00	0·05	0·44	0·44	0·93	Number of mobile medical units ..	2	..	1	..	1
3 Roads	2·00	0·06	0·34	0·34	0·74	Number of miles	20 miles.	One road work is under progress in Madurai district.			
4 Housing	10·00	2·16	2·07	2·00	6·23	Number of houses	1,330	166	266	266	698
5 Model village	..	0·16	0·24	0·24	0·64	Number of model villages					
6 Conduct of sample survey ..	..	0·07	0·05	..	0·12	....					
Total III—Health, Housing and other schemes.	18·00	3·27	3·74	3·86	10·87						
Grand Total—A. Scheduled Tribes ..	41·00	6·07	8·36	8·16	22·59						
B. Scheduled Castes.											
I. Education.											
1 Scholarships and Schooling charges.	30·00	14·49	12·50	13·00	39·99	Number of scholarships	69,000	13,779	13,800	11,900	39,479
2 Midday meals	25·00	3·09	5·00	5·00	13·09	Number of pupils	75,000	10,000	15,000	15,000	40,000
3 Construction and Grants to schools.	30·00	2·68	2·26	2·51	7·45	Number of schools		Existing H.W. schools.	2 school buildings.	Not fixed.	Nil.
4 Construction and maintenance of hostels.	20·00	6·56	12·37	7·60	26·53	Number of hostels		4 buildings. 59 hostels.	6 buildings. 48 hostels. opened.	..	10 buildings. 107 hostels
Total—I. Education	105·00	26·82	32·13	28·11	87·06						
II. Economic uplift.											
1 Agriculture (bulls and wells).	35·00	6·77	7·00	7·00	20·77	Number of bulls	5,000 pairs.	964	1,200	1,200	3,364
						Number of wells	1,000 wells.	120	150	150	420

2 Land Colonization	25·00	2·58	5·00	5·00	12·58	Number of societies	..	25	23	25	73
3 Cottage Industries	40·00	6·77	6·50	6·50	19·77	Number of centres	Not fixed.	14	6	..	6
						Number of milk-supply societies ..	Do.	2 53	12	..	14 53
Total—II. Economic uplift ..	1,00·00	16·12	18·50	18·50	53·12						
III. Health, housing and other schemes—											
1 Housing	40·00	12·41	6·00	6·30	24·71	Number of houses	5,333	623	800	600	2,023
2 Construction and community halls.	..	..	1·00	0·25	1·25	Number of community halls ..	..	..	20	5	25
Total—III. Health, housing and other schemes.	40·00	12·41	7·00	6·55	25·96						
Grand Total ..	2,45·00	55·35	57·63	53·16	1,66·14						
C. OTHERS—											
Other Backward Classes—											
1. Scholarships	30·00	12·28	12·28	11·00	35·56	Number of scholarships	6,000	2,860	2,860	2,600	8,320
2. Boarding grants	10·00	1·70	2·09	2·09	5·88	Number of boarding grants ..	6,665	1,333	1,333	1,333	3,999
Total—C. Others ..	40·00	13·98	14·37	13·09	41·44						
Grand Total—Grant-in-aid schemes ..	3,26·00	75·40	80·36	74·41	2,30·17						
* *Centrally-Sponsored Schemes.*											
A. SCHEDULED TRIBES—											
Economic Uplift—											
Forest Co-operative and Multipurpose Co-operatives.	2·00	0·27	0·40	0·40	1·07	Number of societies	..	3	3	3	9
Total—A. Scheduled Tribes ..	2·00	0·27	0·40	0·40	1·07						

* The expenditure on these schemes is entirely met from Central funds and no portion is shown under the State plan.

WELFARE OF BACKWARD CLASSES—*cont.*

Serial number and name of scheme.	(Rs. in lakhs.) Provision in Third Plan.	Actauls for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [columns (3) to (5)].	Item and unit.	Physical targets. Third Plan target.	Achivement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Tota [column (9) to (1-].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(1
Centrally-Sponsored Schemes—CONT.											
B. SCHEDULED CASTES—											
Health, Housing and Other Schemes—											
1 House-sites for Harijans ..	60·00	[illegible]	10·50	10·50	32·06	Number of house-sites	120,000	2,169	2,100	2,100	6,369
2 Subsidy for Housing of sweepers and scavengers.	30·00	4·86	6·00	6·00	16·86	Number of houses	6,000	994	1,200	1,200	3,394
3 Improvement of the working condition of sweepers and scavengers.	20·00	2·34	4·00	4·00	10·34	Number of wheel barrows	..	2,016	2,000	2,000	6,016
4 Award of Post-Metric Scholarships.	..	4·32	4·32	4·32	12·96	Number of scholarships	..	795	795	795	2,385
Total—B. Scheduled Castes ..	110·00	22·58	24·82	24·82	72·22						
C. DENOTIFIED TRIBES—											
I. *Education*—											
1 Pre-Metric Scholarships ..	12·00	2·71	2·70	2·70	8·11	Number of scholarships	25,000	3,000	3,000	3,000	9,000 scholarships.
2 Supply of Midday meals ..	10·00	0·81	1·59	1·60	4·00	Number of pupils	30,000	2,700	4,800	4,800	12,300 pupils.
3 Construction and maintenance of Boarding Home.	15·00	0·33	2·27	2·45	5·05	Number of hostels	15 hostels.	2 maintenance.	5 buildings, 3 hostels (one new, two maintenance continued).	5 buildings, 3 hostels maintenance continued.	10 hostels three hostels, maintenance continued.

4 Boarding, grant (i.e.) additional boarders in the Kallar Boarding Home.	..	0.30	0·55	0·55	1·40	Number of boarders	150 boarders for each of five years.	150	150 continued.	150 continued.	150 continued for each year.
Total—I. Education ..	37·00	4·15	7·11	7·30	18·56						
II. *Other Schemes*—											
1 Agricultural subsidy—Bulls and wells.	25·00	2·45	3·52	3·50	9·47	Number of bulls ..	2,500	500	500	500	1,500
						Number of wells ..	1,000	188	200	200	588
2 Cottage Industries	13·00	0·91	2·20	2·20	5·31	Number of centres ..	..	..	..	..	..
						Number of societies	do	Purpose Engineer Works 2 shops, 2 centres.	8 centres and 3 co-operative societies.	shop and 8 centres and 3 co-operative societies.	Purpose Engineer Works and 8 centres and 3 co-operative societies continued.
3 Housing colonies	25·00	3·15	5·06	5·11	13·32	Number of houses ..	330	421	668	674	1,763 houses.
Total—II. Other Schemes	63·00	6·51	10·78	10·81	28 10						
Total—C. Denotified Tribes ..	100·00	10·66	17·89	18·11	46·66						
Grand Total—Centrally-sponsored Schemes.	212·00	33·51	43·11	43·33	119·95						

XXII. SOCIAL WELFARE.

Serial number and name of scheme.	(Rs. in lakhs.) Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [columns (3) to (5)].	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
I. Women's Welfare—											
1 Service Homes (four homes) ..	13·51	..	0·23	0·25	0·48	Homes	4	..	1	..	1
2 Hostels for working women (four hostels).	1·92	..	0·18	0·18	0·36	Grants to Institutions	4	..	2	2	4
Total I, Women' Welfare ..	15·43	..	0·41	0·43	0·84						
II. Child Welfare—											
1 Opening of four child Welfare Homes.	4·00	..	..	..	..						
2 Care of Pre-school children ..	..	..	4·62	2·80	7·42	Schools	730	..	730	..	730
3 Nursery for children of women prisoners.	2·00	..		..	..						
Total—II. Child Welfare ..	6·00	..	4·62	2·80	7·42						
III. Training Programme—											
1. Training of personnel in the Government approved schools (67 persons).	0·25	..	0·09	0·17	0·26	Number	67	..	20	30	50
Total—III. Training Programme	0·25	..	0·09	0·17	0·26						
IV. Grants-in-aid—											
1 Grants to voluntary organisation.	13·20	..	..	..	..						
2 Boys Clubs	1·80	0·003	0·69	0·69	1·38	Clubs	10	..	6	..	6
Total IV, Grants-in-aid ..	15·00	0·003	0·69	0·69	1·38						

V. Social Defence Programme—														
1. Appointment of probation and welfare officers.	2·50	0·28	..	..	0·28	Probation Officers	..	..	..	25	..	..	..	..
						Welfare Officers	..	..	..	6	..	..	..	..
2. Opening of Beggar Homes and Work Houses.	5·00	..	0·17	0·31	0·48	Homes	..	..	..	3	..	..	..	..
						Works Houses	..	..	..	2	..	..	..	..
Total—V. Social Defence Programme.	7·50	0·28	0·17	0·31	0·76									
VI. Preventive aspect of social and moral Hygiene and after-care services—														
1. Opening of a Home for unmarried mothers.	2·00	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Conversion of the after-care shelter for boys at Chingleput into an After-care Home for Boys.	2·00	..	0·20	0·27	0·47	Homes	..	..	..	1	..	2	..	1
						Inmates	..	..	..	100	..	50	50	100
Total—VI, Preventive, etc.	4·00	..	0·20	0·27	0·47									
VII. Social Welfare Board Programme— Welfare Extension Project ..	3·45	..	..	..	..									
Total—VII, Social Welfare Board Programme.	3·45	..	..	..	..									
Grand total—Social Welfare ..	51·63	0·28	6·18	4·67	11·13									
Public Co-operation Schemes. (Centrally sponsored schmes.) State Share only.	6·25	0·008	0·20	0·09	0·298	(Kept outside State Plan.)								

XXIII. LABOUR AND LABOUR WELFARE.

(1) Craftsmen Training Schemes (Centrally sponsored schemes).

Serial number and name of scheme.	Provision in Third Plan.	Actuals for 1961-62.	Revised estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5)].	Item and Unit.	Physical targets. Third Plan Target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
			(RS. IN LAKHS.)								
CRAFTSMEN TRAINING SCHEME (State share only)—											
A. Spillover Scheme ..	5·64	1.57	..	..	1·57	Merged with item 6 under new scheme.					
B. New Schemes—											
1 Introduction of Apprenticeship Training Schemes.	20·80	0·11	0·96	0·98	2·05	Seats (No.)	2,000	400	400	400	12·00
2 Strengthening of State Directorate.	2·00	0·004	0·16	0·31	0·474	..	..	..	..	..	..
3 Provision of Hostels for Industrial Training Institutes.	8·40	..	1·05	2·20	3·25	Hostels	8	..	Work started.	..	..
4 Construction of staff quarters for Industrial Training Institute.	4·80	0·40	0·24	1·32	1·96	Staff quarters	9	..	Do.	9	9
5 Evening Classes for Industrial workers.	1·56	0·008	0·06	0·14	0·208	Centres .. .. .. Seats	2 400	1 25	2 175	.. 200	2 400
6 Industrial Training Institute.	84·00	6·99	18·13	35·49	60·61	Institutes .. .. Seats (No.) .. .. Accelerated training—Seats	14 3,500 ..	6 754 ..	2 1,312 1,472	2 1,416 ..	10 3,482 1,472
7 Change of pattern in aid of schools.	2·00	..	..	..	..	..	..	..	..	..	..
8 Replacement of worn-out and deficiency equipment.	0·80	..	..	..	..	..	..	..	..	..	..
Total. Craftsmen Training Schemes.	130·00	9·08	20 60	40·44	70·13						

2. Employment Services (Centrally sponsored schemes).

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1. Extension of coverage of Employment Service—	1·43	..	..	..	..	I Extension of coverage of Employment Service—					
(i) Employment Office for Handicapped persons.	..	..	..	..	..	(1) Employment Office for Physically Handicapped.	1	..	1	..	1
(ii) Employment Bureau for Highly Qualified persons.	..	..	0·02	0·10	0·12	(2) Employment Bureau for Highly Qualified persons.	1	..	..	..	..
(iii) Employment Information and Assistance Bureau.	..	..	0·04	0·07	0·11	(3) Employment Information and Assistance Bureau.	1	..	8	3	11
2. Collection of Employment Market Information, provision of equipment to Field Units.	0·26	..	..	..	..						
3. Youth Employment Service/Employment Counselling.	1·06	..	..	..	..						
(a) Establishment of State Youth Employment Service Unit.	..	..	..	..	..						

XXIII. LABOUR AND LABOUR WELFARE—*Cont.*

2. Employment Services (Centrally sponsored schemes).—*cont.*

(RS. IN LAKHS.)

Serial number and name of scheme.	*Provision in Third Plan.*	*Actuals for 1961–62.*	*Revised estimates for 1962–63.*	*Provision for 1963–64.*	*Total [columns (4) and (5)].*	*Item and unit.*	*Third Plan target.*	Physical targets: *Achievement in 1961–62.*	*Anticipated achievement in 1962–63.*	*Target for 1963–64.*	*Total [columns (9) to (11).]*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(b) Establishment of six Youth Employment Service/Employment Counselling Units.	..	..	..	..	..	..	....	..	....	....	..
(c) Provision of additional equipments to Youth Employment Service Units.	..	..	..	..	..	..	....	..	....	....	..
4. Occupational Research Analysis Printing of Career Pamphlets.	0·25	..	..	0·04	0·04	VI	Occupational Research and Analysis— (1) Printing of Career Pamphlets.	..	.. .. ..	The printing of career pamphlets now under translation will materialise.	..
Total—Employment services.	3·00	..	0·06	0·17	0·23						
Total—Labour Welfare ..	133·00	9·08	20·67	40·61	70·36						

XXIV. MISCELLANEOUS

(A) Statistics.

Serial number and name of scheme.	Provision in Third Plan. (Rs. in lakhs)	Actuals for 1961-62. (Rs. in lakhs)	Revised Estimate for 1962-63. (Rs. in lakhs)	Provision for 1963-64. (Rs. in lakhs)	Total [Columns (3) to (5)]. (Rs. in lakhs)	Item and unit.	Third Plan Target. (Physical targets)	Achievement in 1961-62. (Physical targets)	Anticipated achievement in 1962-63. (Physical targets)	Target for 1963-64. (Physical targets)	Total [Columns (9) to (11)]. (Physical targets)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1 Strengthening of State Statistical Bureau for overall planning needs.	3·00	0·02	0·33	0·43	0·79	Cannot be fixed.					
2 District Statistical Agency.	0·71	0·07	0·17	0·17	0·41						
3 Statistical Staff at the Headquarters for Community Development National Extension Service areas.	3·46	..	*	*	..						
4 Sample Surveys in collaboration with N.S.S.	9·00	0·09	0·99	1·59	2·67						
5 Training of Statistical Personnel.	0·38	..	0·04	0·06	0·10	Number to be trained.	24	..	..	6	6
6 Survey of employed person on the live register of employment exchange.	1·25	..	*	*	..						
7 Consumption studies ..	1·00	..	0·26	0·25	0·51	Cannot be fixed.					
8 Extension of industrial statistics.	1·14	..	0·22	0·21	0·43						
9 Second survey of L.B.P. area and Neyveli area.	3·00	..	*	*	..						
10 Cost of production of rice.	1·50	..	0·42	0·52	0·94						
Total ..	24·44	0·19	2·43	3·23	5·85						

* Token provision of Rs. 100 has been made.

XXIV. MISCELLANEOUS—*cont.*

(B) Publicity schemes.

(RS. IN LAKHS.)

Serial number and name of scheme.	Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5)].	Item and unit.	Physical targets. Third Plan target.	Achievement in 1961-62.	Anticipated achievement in 1962-63.	Target for 1963-64.	Total [Columns (9) to (11)].
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1 Publicity Schemes	35·00	3·86	6·05	6·19	14·38		Cannot be fixed.				
Total ..	35·00	3·86	6·05	6·19	14·38						

(C) General Re-Survey of the State.

Serial number and name of scheme.	Provision in Third Plan.	Actuals for 1961-62.	Revised Estimate for 1962-63.	Provision for 1963-64.	Total [Columns (3) to (5)].	Item and unit.
1 General Re-survey of the State ..	..	..	..	1·72	1·72	Are to be re-surveyed in square miles.
Total—Miscellaneous ..	59.44	4·05	8·483	9·423	21·956	
Grand total—State Plan Scheme ..	2,90,88·41	50,00·833	58,32·053	59,83·077	1,68,15·963	